All India Mock for RBI Grade B Phase 1 (4th-5th May 2023)

Q1. The Reserve Bank of India (RBI) has shared details on India's International Investment Position (IIP) at the end of December 2022. Pick out the correct statement regarding India's International Investment Position (IIP).
[A] According to the data, non-residents' net claims in India dropped by US$ 12.0 billion between October and December 2022, settling at US$ 374.5 billion by the end of December 2022.
[B] The increase in India's foreign liabilities was mainly driven by trade credits and loans.
[C] The data shows that India's international assets accounted for 70.0% of its international liabilities by the end of December 2022, compared to 72.5% in the previous year.
(a) Only A
(b) Only B
(c) Only C
(d) Both A & C
(e) All A, B & C

Q2. The Unified Payments Interface (UPI), India's flagship digital payment platform, set a new record, as in March 2023, the UPI processed a historic high of _____ transactions, worth, the highest ever since its inception.
(a) 8.7 billion
(b) 7.7 billion
(c) 8.6 billion
(d) 8.5 billion
(e) 6.7 billion

Q3. India has recently (April 2023) been elected as a member of the United Nations (UN) Statistical Commission Narcotic Drugs and the Programme Coordinating Board of the Joint UN Program. Where is the headquarters of the United Nations Commission on Narcotics Drugs?
(a) Geneva, Switzerland
(b) Vienna, Austria
(c) California, US
(d) Rome, Italy
(e) New York

Q4. The government has introduced a new program called the "New India Literacy Programme" (NILP), which is a Centrally Sponsored Scheme that will be implemented for _____ from FY 2022-23 to _____.
(a) three years, 2024-25
(b) four years, 2025-26
(c) five years, 2026-27
(d) six years, 2027-28
(e) seven years, 2028-29

Q5. The Reserve Bank of India (in Feb 2023) came out with draft norms for lending and borrowing of government securities with wider participation in the securities lending market. Government Securities Lending (GSL) transactions shall be undertaken for a minimum period of _____ and a maximum period of _____.
(a) 1 day, 60 days
(b) 1 day, 90 days
(c) 2 days, 60 days
(d) 2 days, 90 days
(e) 5 days, 30 days

Q6. Identify the correct statement regarding UPI Lite-
(i) Limit of UPI Lite Balance is Rs 2500.
(ii) Max transaction allowed using UPI Lite is Rs 400.
(iii) Funds can only be added in online mode using Additional Factor Authentication (AFA) or UPI Autopay feature.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q7. Indigenously developed payment application BHIM (Bharat Interface for Money) celebrated its sixth anniversary on 30th December 2022. BHIM users can send money by using which of the following detail/s of the beneficiary?
(i) VPA (Registered on UPI)
(ii) Mobile No. (Registered on UPI)
(iii) Account Number and IFS code
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q8. The net stable funding ratio is a liquidity standard requiring banks to hold enough stable funding to cover the duration of their long-term assets. The minimum NSFR requirement is-
(a) 100%
(b) 75%
(c) 50%
(d) 25%
(e) 15%

Q9. The Unique Identification Authority of India (UIDAI) has recently (in April 2023) partnered with which IIT to develop a touchless biometric capture system that is easy to use and accessible from anywhere?
(a) IIT Hyderabad
(b) IIT Bombay
(c) IIT Madras
(d) IIT Delhi
(e) IIT Roorkee

Q10. The Risk-Based Supervisory (RBS) Framework as adopted by RBI is called SPARC. Expand the term "A" in SPARC-
(a) Account
(b) Accountability
(c) Assessment
(d) Amount
(e) Anonymity

Q11. Identify Correct statement regarding the 2022 Global Food Security Index (GFSI) report-
(i) The report was released by the British Weekly the Economist.
(ii) It is the 10th edition.
(iii) India is ranked at 68th position along with Algeria with an overall score of 58.9.
(a) All (i), (ii) & (iii)
(b) Both (i) & (iii)
(c) Both (i) & (ii)
(d) Both (ii) & (iii)
(e) None of the above

Q12. Identify Incorrect statements regarding Central Bank Digital Currency (CBDC)-
(a) CBDCs are a digital form of a paper currency and unlike cryptocurrencies that operate in a regulatory vacuum, these are legal tenders issued and backed by a central bank.
(b) It is the same as a fiat currency and is exchangeable one-to-one with the fiat currency.
(c) Bahamas has been the first economy to launch its nationwide CBDC — Sand Dollar.
(d) RBI had proposed amendments to the Reserve Bank of India Act, 1949, which would enable it to launch a CBDC.
(e) None of the above

Q13. Which of the following banks launched its sixth annual grants program for social startups in partnership with the Government of India's flagship initiative 'Startup India'-Parivartan SmartUp Grants?
(a) Axis Bank
(b) ICICI Bank
(c) Federal Bank
(d) HDFC Bank
(e) YES Bank

Q14. The RBI has roped in at least five banks in November 2022 to work with it on a pilot project for its digital currency -- the Digital Rupee -- for the retail market. Which of the following bank was NOT shortlisted for this project?
(a) State Bank of India
(b) ICICI Bank
(c) IDFC First Bank
(d) Canara Bank
(e) HDFC Bank

Q15. The launch of 5G services will strengthen India's position as an economic and technology powerhouse globally and is expected to boost 2% of the country's gross domestic product (GDP). Which of the following is an incorrect statement regarding GDP?
(i) GDP Gross Domestic Product (GDP) is the final monetary value of all the goods and services produced within the boundaries of a country in a period (quarterly or yearly) of time.
(ii) It includes income received by the residents of a country from abroad.
(iii) GDP = Market value of everything produced within the country - Money earned by foreign nationals in the country + Money earned by residents from abroad.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (ii) & (iii)
(e) All (i), (ii) & (iii)

Q16. Directorate General of Foreign Trade (DGFT), Ministry of Commerce and Industry has notified the amended rules under Advance Authorization Scheme, for simplification of calculation of Composition Fee to extend Export Obligation and help in the Ease of Doing Business. Identify Incorrect statements regarding Advance Authorization Scheme-
(i) It is a duty exemption scheme introduced under the Foreign Trade Policy 2015-2020.
(ii) The implementing ministry of the scheme is Ministry of Commerce and Industry.
(iii) Under this scheme, exemption from the payment of import duties is given to raw materials/inputs required for the manufacture of export products i.e., one can import raw materials/inputs at zero customs duty for the production of export products.
(a) Only (i)
(b) Only (ii)
(c) Both (i) & (iii)
(d) Both (ii) & (iii)
(e) None of the above

Q17. Which of the ministry has discontinued the scheme of interest subsidy on education loans for overseas studies for students belonging to minority communities (Padho Pardesh)?
(a) Ministry of Education
(b) Ministry of Minority Affairs
(c) Ministry of Rural Development
(d) Ministry of Social Justice and Empowerment
(e) Ministry of Skill development

Q18. Ministry of Labour & Employment has initiated matching of eShram beneficiaries' data with Ration Card (National Food Security Act) data to ensure that Ration Card benefits under NFSA is made available to all eligible workers registered on the e-Shram portal. Identify Incorrect statement regarding e-Shram portal-
(i) It was Launched in the Year 2020.
(ii) Its objective is to create a National Database of unorganized/migrant workers and to provide them with a Universal Account Number (UAN).
(iii) e-Shram portal is already integrated with National Career Service (NCS) portal and PM Shram Yogi Maandhan portal.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q19. President Droupadi Murmu inaugurated the project "Development of Srisailam Temple in the State of Andhra Pradesh" at Kurnool, Andhra Pradesh in Dec 2022 Under PRASHAD Scheme. Identify Incorrect statement regarding the scheme-
(i) It was launched in 2016.
(ii) It is a Central Sector Scheme with complete financial assistance from the Central Government.
(iii) It is being implemented by the Ministry of Tourism.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q20. Identify correct statements regarding VISVAS Scheme-
(i) It was launched in 2020.
(ii) To provide financial assistance to SC and OBC self-help groups and individuals in the form of interest subvention.
(iii) It is being implemented by the Ministry of Finance.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q21. For non-residential training programmes, under the PM DAKSH scheme, the trainees belonging to SCs category will be paid a stipend of _____ per month.
(a) Rs.1,000
(b) Rs.1,500
(c) Rs.2,000
(d) Rs.2,500
(e) Rs.5,000

Q22. Consider the following statements regarding the Special Window for Affordable & Mid-Income Housing (SWAMIH).
1. Net-worth-positive projects are also eligible for SWAMIH funding.
2. The real estate projects must be Real Estate (Regulation and Development) Act (RERA)-registered and should have been stalled due to a lack of adequate funds.
3. They must also fall under the 'Affordable and Middle-Income Project' category.
Which of the above statements is/are NOT correct?
(a) Only 1
(b) Only 3
(c) Both 1 & 2
(d) Both 2 & 3
(e) None of the above

Q23. What is the theme of International Women's Day 2023?
(a) DigitALL: Innovation and technology for gender equality
(b) Gender and Financial Inclusion
(c) Financial Independence of women
(d) Representation: Equality of women An organization of Pharmacists
(e) None of the above

Q24. Which of the following states has implemented the Safe and Responsible Migration Initiative (SRMI)?
(a) Haryana
(b) Punjab
(c) Jharkhand
(d) Tamil Nadu
(e) Sikkim

Q25. Who has been appointed as the new Chief Executive Officer (CEO) of the Bombay Stock Exchange (BSE)?
(a) Ashishkumar Chauhan
(b) Sundararaman Ramamurthy
(c) Madhabi Puri Buch
(d) UK Sinha
(e) Shri B.V.R.Subrahmanyam

Q26. Where was the first meeting of the G20 Education Working Group (G20 EWG) in 2023 held?
(a) Hyderabad
(b) Lucknow
(c) Chennai
(d) Nagpur
(e) Srinagar

Q27. India has launched cross-border connectivity between Unified Payments Interface (UPI) and PayNow to enable low-cost, faster and 24x7 cross-border payments. PayNow is a fast peer-to-peer payment system of which country?
(a) Canada
(b) Qatar
(c) Singapore
(d) France
(e) Russia

Q28. Union Agriculture and Farmers Welfare Minister chaired the National Conference on Agriculture for Zaid (Summer) Campaign-2023 in New Delhi. Which of the following is a crop produced during Zaid from the options given below?
(a) Maize
(b) Soybean
(c) Cucumber
(d) Bajra
(e) Cotton

Q29. The first Prime Minister GatiShakti regional workshop (Feb 2023) for the Western and Central Zone was recently held in which of the following state?
(a) Karnataka
(b) Goa
(c) Haryana
(d) West Bengal
(e) Uttar Pradesh

Q30. Which IIT hosted the Youth20 Consultation under the G20 Presidency of India?
(a) IIT Hyderabad
(b) IIT Kanpur
(c) IIT Madras
(d) IIT Bombay
(e) IIT Delhi

Q31. Identify correct statement regarding Economic Survey 2022-23-
(i) India ranks third globally with respect to the net gain in average annual forest area between 2010 and 2020.
(ii) India now has 75 Ramsar sites for wetlands covering an area of 13.3 lakh hectares.
(iii) During the period 2014 -2021, total investment in renewables stood at US$ 78.1 billion in India.
(a) All (i), (ii) & (iii)
(b) Both (i) & (ii)
(c) Only (i)
(d) Only (iii)
(e) Both (ii) & (iii)

Q32. Which IIT has developed a mobile operating system 'BharOS' to benefit India's 100 crore cell phone users in India?
(a) IIT Dhanbad
(b) IIT Kharagpur
(c) IIT Ropar
(d) IIT Madras
(e) IIT Delhi

Q33. In Jan 2023, India extended its export benefits under the Remission of Duties and Taxes on Export Products (RoDTEP) scheme to domestic green hydrogen fuel manufacturers. Identify correct statement regarding this-
(i) The scheme rebates various Central, State and local duties/taxes/levies which are not refunded under other duty remission schemes. This is a measure towards zero-rating of exports.
(ii) The scheme is being implemented from 1st January 2020.
(iii) RoDTEP is being implemented by Department of Revenue (DoR) with issuance of remission amount in the form of transferable duty credit electronic scrip.
(a) All (i), (ii) & (iii)
(b) Both (i) & (ii)
(c) Only (i)
(d) Only (iii)
(e) Both (i) & (iii)

Q34. Recently, Prime Minister, Shri Narendra Modi named the____ largest unnamed islands of Andaman & Nicobar Islands after Param Vir Chakra awardees-
(a) 20
(b) 21
(c) 22
(d) 23
(e) 25

Q35.The Minister of Ports, Shipping, and Waterways, Sarbananda Sonowal, introduced a mobile application for the National Logistics Portal Marine. What is the name of the application?
(a) Sagar Raksha
(b) Sagar Chakra
(c) Sagar Parikrima
(d) Sagar Setu
(e) Sagar Sahayak

Q36. Recently (in Dec 2022), REC Limited, a Maharatna Company under the Ministry of Power, Govt. of India organized 'Bijli Utsav' in Anandapur Gaon of Baksa district and adjoining villages. Baksa district is located in which of the following state?
(a) New Delhi
(b) Maharashtra
(c) Assam
(d) Karnataka
(e) Goa

Q37. By March 2023, the State Bank of India (SBI), ICICI Bank, and Axis Bank want to start issuing RuPay credit cards over the UPI. Currently, the RuPay credit card segment on the UPI platform is live with which of the following banks?
(a) Union Bank of India
(b) Punjab National Bank
(c) Indian Bank
(d) HDFC Bank
(e) All of the above

Q38. In Dec 2022, Union Minister for Youth Affairs and Sports Anurag Thakur inaugurated the Sports Science Centre at M.G. Stadium. The stadium is located in which of the following state?
(a) New Delhi
(b) Maharashtra
(c) Assam
(d) Karnataka
(e) Goa

Q39. According to Dec 2022 RBI Circular, all leading banks should issue the locker agreement to its holders. Identify which statement is correct regarding the locker rules -
(i) Banks shall renew their locker agreements with existing locker customers by January 1, 2023.
(ii) The bank customers can get up to 100 times the bank charges if the valuables stored in the vaults are robbed or destroyed due to fire or building collapse.
(iii) The banks can now demand a term deposit at the time of allocation of a locker that would be taken as the rent for three years.

(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q40. According to the India Justice Report (IJR) 2022, which assesses the performance of states in terms of justice delivery, which state has achieved the top rank among the 18 large and mid-sized states with populations over one crore?
(a) Kerala
(b) Tamil Nadu
(c) Karnataka
(d) Andhra Pradesh
(e) Telangana

Q41. Identify the correct statement regarding Liquidity Adjustment Facility (LAF)-
(a) It is a monetary policy tool used by RBI in India through which it injects or absorbs liquidity into or from the banking system.
(b) It was introduced as a part of the outcome of the Narasimham Committee on Banking Sector Reforms of 1998.
(c) The transacting of liquidity adjustment facilities takes place via an auction at a set time of the day.
(d) The facilities are implemented on a day-to-day basis as banks and other financial institutions ensure they have enough capital in the overnight market.
(e) All of the above

Q42. The Reserve Bank of India conducted a Variable Rate Reverse Repo (VRRR) auction on November 18, 2022. What is the minimum bid amount for the auction according to Operational Guidelines for conducting VRRR Auction?
(a) 1 crore
(b) 2 crores
(c) 3 crores
(d) 4 crores
(e) 5 crores

Q43. The Ministry of Electronics & Information Technology has launched Grievance Appellate Committee (GAC) portal. Through it, users can file an appeal with the GACs within a period of _____ from the date of receipt of communication from the intermediary's Grievance Officer-
(a) 10 days
(b) 15 days
(c) 20 days
(d) 25 days
(e) 30 days

Q44. Ministry of Science and Technology has launched VAIBHAV Fellowship for Indian Diaspora abroad on the occasion of National Science Day (observed on 28 February). What is the Duration of the fellowship?
(a) 6 months
(b) 1 year
(c) 2 years
(d) 2.5 years
(e) 3 years

Q45. GSM Association (GSMA) has conferred Government Leadership Award 2023 to India for implementing best practices in telecom policy and regulation. Identify correct statement regarding GSMA-
(i) It was established in 1995.
(ii) Its Headquarters are located in London, United Kingdom.
(iii) It is an industry organization that represents the interests of mobile network operators worldwide.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q46. RBI released the "Outward Remittances under the Liberalised Remittance Scheme (LRS) for Resident Individuals" for November 2022. LRS allows parents to transfer money to their children studying abroad. Any Indian resident can participate in it and transfer up to _____ abroad in a financial year.
(a) $150,000
(b) $250,000
(c) $350,000
(d) $450,000
(e) $550,000

Q47. Wayanad becomes the first district in the country to provide basic documents and facilities such as Aadhaar cards, ration cards, birth/death certificates, election ID cards, bank accounts and health insurance to all tribe's people. Wayanad district is situated in which Indian state?
(a) Kerala
(b) Mizoram
(c) Tamil Nadu
(d) Jharkhand
(e) Andhra Pradesh

Q48. In Dec 2022, which of the following Organizations introduced "Bima Vahaks" in each gram panchayat?
(a) ICICI Bank
(b) NITI Aayog
(c) SEBI
(d) IRDAI
(e) SBI

Q49. Which insurance company has released a unique health insurance rider called "Respect Senior Care Rider"?
(a) Birla Sun Life Insurance
(b) Aviva Life Insurance
(c) Bharti AXA Life Insurance
(d) Aegon Life Insurance
(e) Bajaj Allianz General Insurance

Q50. Which of the following companies signed an MoU with Tecnimont Private Limited to jointly evaluate and explore the possibility to develop a commercial-scale Green Methanol Production facility?
(a) Oil and Natural Gas Corporation
(b) NHPC
(c) Coal India
(d) NTPC
(e) Indian Oil Corporation

Q51. Consider the following statements regarding Human Development Report:
1. It ranks countries based on their Gross Domestic Product (GDP)
2. It is released by the World Bank
3. Four major indicators of HDI are life expectancy for health, expected years of schooling, mean of years of schooling for education and Gross National Income per capita for standard of living.
Which of the statements given above is/are incorrect?
(a) 1 only
(b) 2 only
(c) 1 and 2
(d) 2 and 3
(e) 1 and 3

Q52. Artist Dante Akira Uwai has won the Winter Youth Olympic Games Gangwon 2024 medal design competition. Dante Akira Uwai hails from which country?
(a) Uruguay
(b) Argentina
(c) Brazil
(d) Peru
(e) Venezuela

Q53. Identify the Correct statement regarding Rural Infrastructure Development Fund (RIDF)-
(i) The RIDF was set up by the Government in 1995-96 for financing ongoing rural Infrastructure projects.
(ii) The Fund is maintained by the National Bank for Agriculture and Rural Development (NABARD).
(iii) It is established to provide loans to State Governments and State-owned corporations to enable them to complete ongoing rural infrastructure projects.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q54. In March 2023, SEBI has planned to discontinue the B30 incentive and allow a one-time fee for distributors bringing new investors, irrespective of the location. Expand the term "B" in B30-
(a) Base
(b) Beyond
(c) Before
(d) Basic
(e) Buy

Q55. In March 2023, which of the following Stock Exchange received the capital market regulator's nod to launch social stock exchanges (SSEs) as a new segment?
(a) National Stock Exchange
(b) Bombay Stock Exchange
(c) Calcutta Stock Exchange
(d) India International Exchange
(e) All of the above

Q56. Indian Coast Guard Region (North East) conducted which edition of the Tabletop exercise in the month of March 2023 under the aegis of Colombo Security Conclave in Kolkata, West Bengal?
(a) 2nd
(b) 3rd
(c) 4th
(d) 5th
(e) 6th

Q57. In March 2023, which Ministry released 24th issue of publication titled "Women and Men in India 2022"?
(a) Ministry of Education
(b) Ministry of Women and Child Development
(c) Ministry of Ministry of Youth Affairs and Sports
(d) Ministry of Social Justice & Empowerment
(e) Ministry of Statics and Programme Implementation

Q58. In March 2023, Ministry of Road Transport & Highways and World Bank have signed an agreement for the construction of Green National Highway Corridors Project (GNHCP). Which of the following state is NOT covered under this project?
(a) Himachal Pradesh
(b) Rajasthan
(c) Uttar Pradesh
(d) Andhra Pradesh
(e) Tamil Nadu

Q59. In Feb 2023, India's first solid waste-to-hydrogen plant was set up in _____ at a cost of over Rs 430 crore.
(a) Udaipur
(b) Bhopal
(c) Lucknow
(d) Vishakhapatnam
(e) Pune

Q60. Where was the Global Tech Summit 2023 organized?
(a) Udaipur
(b) Bhopal
(c) Lucknow
(d) Vishakhapatnam
(e) Pune

Q61. Which edition of the ASEAN Digital Ministers (ADGMIN) meeting with India was held recently (Feb 2023) on a virtual platform?
(a) 1st
(b) 2nd
(c) 3rd
(d) 4th
(e) 5th

Q62. Ministry of Tribal Affairs has organized Aadi Mahotsav – National Tribal Festival at Major Dhyan Chand National Stadium. The stadium is located at-
(a) New Delhi
(b) Mumbai
(c) Bengaluru
(d) Hyderabad
(e) Lucknow

Q63. Identify Incorrect statement regarding global hackathon "HARBINGER 2023 – Innovation for Transformation"-
(i) A hackathon is an event organized to bring together people and entities for the development of innovative solutions for the existing challenges in specified area through problem statements.
(ii) The prize money for the winner is Rs 40 lakhs.
(iii) The prize money for the Runner-up is Rs 30 lakhs.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q64. In March 2023, the RBI has granted "in-principle approval" to 32 entities to function as online payment aggregators. As per RBI rules, the eligibility criteria for a firm applying for PA authorization is a minimum net worth of _____ in the first year of application and going up to _____ by the end of third financial year-
(a) Rs 10 Crore, Rs 15 Crore
(b) Rs 15 Crore, Rs 25 Crore
(c) Rs 25 Crore, Rs 35 Crore
(d) Rs 30 Crore, Rs 45 Crore
(e) Rs 40 Crore, Rs 55 Crore

Q65. Identify correct statement about Balance of Payment?
(i) It is a Systemic record of economic transactions between residents and non-residents of a country for a period of one year.
(ii) It Indicates that a country has a surplus or a deficit on trade.
(iii) Current Account shows export and import of visible and invisibles (also called non-merchandise).
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) All (i), (ii) & (iii)

Q66. Magh Bihu is a festival of farmers. It is celebrated in the month of 'Magha' in the middle of January. It is a famous Festival of-
(a) Karnataka
(b) Kerala
(c) Telangana
(d) Tamil Nadu
(e) Assam

Q67. In December 2022, The 5th edition of Youth Co:Lab Asia Pacific's largest youth innovation movement was jointly launched by-
(i) Atal Innovation Mission (AIM)
(ii) NITI Aayog
(iii) UNDP
(a) All (i), (ii) & (iii)
(b) Both (i) & (iii)
(c) Both (i) & (ii)
(d) Both (ii) & (iii)
(e) None of the above

Q68. 'Goa Liberation Day' is celebrated on _____ to commemorate the state's liberation from Portuguese rule in 1961-
(a) December 15
(b) December 16
(c) December 17
(d) December 18
(e) December 19

Q69. In Nov 2022, Navi Technologies Ltd, which sells financial products like personal loans, home loans, and general insurance etc., has appointed which of the following cricketer as its brand ambassador?
(a) Ravindra Jadeja
(b) Hardik Pandya
(c) KL Rahul
(d) Virat Kohli
(e) Mahendra Singh Dhoni

Q70. The Leadership for Industry Transition- LeadIT initiative focuses on low carbon transition of the hard to abate industrial sector. India along with which country hosted the LeadIT Summit 2022 on the sidelines of COP27 at Sharm El Sheikh in Egypt?
(a) Germany
(b) Argentina
(c) Switzerland
(d) Sweden
(e) Japan

Q71. National Museum of Natural History (NMNH), under the Ministry of Environment Forest and Climate Change and United Nations Development Programme (UNDP), jointly launched "In Our LiFEtime" campaign. This campaign envisions to recognize youth between the ages of _____ to become message bearers of sustainable lifestyles-
(a) 17 to 22 years
(b) 17 to 23 years
(c) 18 to 23 years
(d) 18 to 25 years
(e) 19 to 25 years

Q72. National Mineral Development Corporation (NMDC) has recently (Nov 2022) bagged the Champion of Champions Award at the Global Communication Conclave organized by Public Relations Council of India (PRCI). The conclave was held in which of the following city?
(a) Hyderabad
(b) Kolkata
(c) Bengaluru
(d) Bhopal
(e) Ahmedabad

Q73. Skyroot Aerospace has successfully test-fired an advanced, fully 3D-printed cryogenic engine, marking a significant milestone in the country's indigenous space technology development. Skyroot Aerospace is a startup based in _____.
(a) Bengaluru
(b) Indore
(c) Mumbai
(d) New Delhi
(e) Hyderabad

Q74. Barron's prestigious annual '100 Most Influential Women in US Finance' list 2023 includes _____ Indian-origin women executives who have attained prominent positions in the financial services industry.
(a) three
(b) five
(c) six
(d) four
(e) two

Q75. Every year on April 7th, World Health Day is celebrated to bring global attention to a specific health issue that impacts people worldwide. This year (2023) marks the _____ anniversary of the World Health Organisation.
(a) 73rd
(b) 74th
(c) 75th
(d) 76th
(e) 77th

Q76. The European Commission (EC) has awarded protected geographical indication (PGI) status to a unique variety of tea grown 'Kangra tea'. In which Indian state Kangra Tea is grown?
(a) West Bengal
(b) Assam
(c) Sikkim
(d) Himachal Pradesh
(e) Kerala

Q77. Which state's/union territory's Raktsey Karpo Apricot got the GI tag recently?
(a) Jammu Kashmir
(b) Ladakh
(c) Bihar
(d) Andaman Nicobar
(e) Tamil Nadu

Q78. Who is the author of the book entitled "War and Women"?
(a) Sanjiv Das Chakraborty
(b) M A Hasan
(c) Gautam Mishra
(d) Upendra Babu Saniyal
(e) Vani Tripathi Tikoo

Q79. The Reserve Bank of India (RBI) has released data (in April 2023) showing that India's current account deficit has decreased to what percent of the GDP, during the December quarter of the fiscal year 2022-23?
(a) 4.5%
(b) 3.7%
(c) 1.8%
(d) 2.2%
(e) 3.4%

Q80. In April 2023, which of the following state became the first state in India to have a 100% electrified railway network?
(a) Madhya Pradesh
(b) Telangana
(c) Maharashtra
(d) Haryana
(e) Karnataka

Directions (81-84): Read the following information carefully and answer the following questions.
A number/word arrangement machine when given an input line of words and number rearranges them following a particular rule. The following is an illustration of input and rearrangements.
Input: wrong 64 number 31 series 39 are 41 best 38
Step I: era wrong number 31 series 39 41 best 38 63
Step II: tesb era wrong number 31 series 39 38 63 42
Step III: rumben tesb era wrong 31 series 38 63 42 40
Step IV: series rumben tesb era wrong 31 63 42 40 37
Step V: gronw series rumben tesb era 63 42 40 37 32
Step V is the last step of the rearrangements, Based on the following logic rearrange the given input.
Input: star 84 trek 69 into 49 darkness 54 bright 32

Q81. How many terms/elements are in between 'trighb' and '70' in step III?
(a) Three
(b) Four
(c) Five
(d) Six
(e) None of these

Q82. What is the Step IV of the given input?
(a) rtas onti sarknesd trighb trek 32 83 70 53 49
(b) rtas onti sarknesd trighb trek 32 83 70 53 50
(c) onti sarknesd trighb trek rtas 32 83 70 53 50
(d) rtas onti sarknesd trighb trek 32 84 70 53 50
(e) None of these

Q83. What is the position of '54' from the right end in Step III?
(a) One
(b) Two
(c) Three
(d) There is no such step
(e) None of these

Q84. In which step does the terms/elements' trighb 83 70' are founded in the same order?
(a) Step III
(b) Step II
(c) Step V
(d) Step IV
(e) None of these

Directions (85-89): Study the following information to answer the given questions:

Eight persons P, Q, R, S, T, U, V, and W are sitting around a rectangular table such that four of them sits at the corner and face inside the center and four of them sits in the middle and face outside the center of the table. They all have different heights viz. 150cm, 152cm, 169cm, 172cm, 175cm, 160cm, 155cm, and 180cm. All the data was not necessarily in the same order.

The one whose height is 169cm sits third to the right of W. Two persons sit between the one whose height is 169cm and T. The one who is tallest sit opposite to the one who is shortest. Q doesn't sit at any corner of the table but he sits second to the left of U, whose height is 155cm. The one whose height is 175cm is an immediate neighbor of T but he doesn't face the one whose height is 169cm. W is shorter than P.R and S are immediate neighbors of Q. R height is more than 170cm.V sits second to the right of P, who is an immediate neighbor of the tallest persons. P sits at one of the corner side of the table.

Q85. Who among the following is the shortest person?
(a) T
(b) V
(c) Q
(d) W
(e) None of these

Q86. Who among the following sits opposite to the one whose height is 152cm?
(a) U
(b) R
(c) T
(d) Q
(e) None of these

Q87. What is the height of the person who sits third to the right of T?
(a) 175cm
(b) 155cm
(c) 172cm
(d) 180cm
(e) None of these

Q88. How many persons sit between the one whose height is 180cm and S, when counted from the right of S?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

Q89. Four of the following five are alike in a certain way based on a group, which among the following does not belong to that group?
(a) U - W
(b) R - V
(c) S - P
(d) Q - V
(e) T - Q

Directions (90-92): Study the following information carefully and answer the questions given below:
In a certain code:
"ganga is sacred river" is coded as "lu ko pix ti"
"ganga river better yamuna" is coded as "pix ko ql mr"
"river is flowing better" is coded as "ko ti mr tu"
"good flowing is best" is coded as" tu pr ti mn"

Q90. What is the code for the word "flowing"?
(a) tu
(b) pr
(c) ti
(d) mn
(e) None of the above

Q91. What is the code for "best river"?
(a) mn ko
(b) ko pr
(c) lu ti
(d) mr ko
(e) Either (A) or (B)

Q92. What is the code for "flowing yamuna"?
(a) ql pr
(b) tu ql
(c) mn ql
(d)ti mn
(e) None of the above

Directions (93-97): Study the following information carefully and answer the questions given below:
Some persons are sitting in a straight row. Some of them face north and some of them face south. They like different fruits. Four persons sit between A, who faces north and the one who likes Grapes. Two persons sit between the one who likes Grapes and the one who likes Mangoes. Only three persons sit to the left of the one who likes Mangoes. The one who likes Mangoes doesn't sit to the right of the one who likes Grapes and also doesn't sit near to the one who likes Apple. The one who likes Apple sits immediate right of A. T sits third to the right of Q who sits immediate right of the one who likes Apple. T doesn't like Grapes. No one sits to the left of T. The number of persons sitting between T and the one who like Apple is the same as the persons sitting between Q and the one who likes Litchi. The number of persons sitting between the one who likes Litchi and the one who like Mangoes is the same as the persons sitting between the one who likes Grapes and D. D doesn't like Apple. No one sits to the right of D. A doesn't like Litchi.

Q93. How many persons sit in the straight row?
(a) Sixteen
(b) Fifteen
(c) Seventeen
(d) Eighteen
(e) None of these

Q94. If Y likes Apple, then how many persons sit between the one who likes Litchi and Y?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

Q95. If the one who likes Litchi faces south, then how many persons sit to the left of the one who like Litchi?
(a) Five
(b) Six
(c) Seven
(d) Eight
(e) Nine

Q96. The numbers of persons sitting between Q and T is the same as in between the one who likes Litchi and the one who likes____?
(a) Grapes
(b) Apples
(c) A
(d) D
(e) Both (A) and (B)

Q97. Four of the following five are alike in a certain way based on a group, which among the following does not belong to that group?
(a) Mangoes
(b) Grapes
(c) T
(d) Apple
(e) A

Directions (98-101): Study the following information and answer the given questions:
Arrange the following string, as per the steps given below-
Z 7 U @ 6 D £ 5 ¥ G 8 $ K # 3 E 2 R & % 1 P 9 B µ ^ A 4 H
Step 1: The Numbers which is immediately preceded by the symbol and immediately followed by an Alphabet are written from the right end in ascending order.
Step 2: Interchanging the even number with the previous element in the series to form the step- 2.
Step 3: Alphabet which is immediately preceded by a symbol are written between seventh and eighth element from the left end in alphabetical order.

Step 4: The first fourteen element from the left end is written after the last element in series in the reverse order (It means fourteenth element from the left end is written immediately after the last element and so on..)
Note: (STEP II is applied after STEP I and STEP III is applied after STEP II and STEP IV is applied after STEP III)

Q98. Which of the following element is sixth to the right of the element which is ninth from the left end in step 3?
(a) $
(b) K
(c) #
(d) G
(e) None of these

Q99. If the alphabet which is immediately followed by a consonant is changed to next letter in alphabet series in step 2, then how many vowels are present in the newly formed series?
(a) Two
(b) None
(c) Three
(d) One
(e) More than three

Q100. If all the symbols are removed from the step 1, then which of the following element will be in the middle of the series?
(a) 2
(b) P
(c) R
(d) Both (A) and (C)
(e) Both (A) and (B)

Q101. How many alphabets are immediately followed and immediately preceded by number in step 4?
(a) One
(b) Two
(c) None
(d) Three
(e) More than three

Directions (102-103): Below in each question are given two statements I and II.
These statements may be either independent causes or may be effects of independent causes. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choices correctly depicts the relationship between these two statements.

Q102.
I. Bhuvneshwar Kumar, who is the main bowler of India got injured during world cup match against Pakistan.
II. India won the world cup match against Pakistan by 89 runs (DLS method.)
Mark answer
(a) if statement I is the cause and statement II is its effect.
(b) if statement II is the cause and statement I is its effect.
(c) if both the statement I and II are independent causes.
(d) if both the statements I and II are effects of independent causes.
(e) if both the statements I and II are effects of some common cause.

Q103.
I. The prices of packed flour in the domestic market have fallen sharply in the recent month.
II. The Government has imported large quantities of wheat due to high demand of wheat flour.
Mark answer
(a) if statement I is the cause and statement II is its effect.
(b) if statement II is the cause and statement I is its effect.
(c) if both the statement I and II are independent causes.
(d) if both the statements I and II are effects of independent causes.
(e) if both the statements I and II are effects of some common cause.

Directions (104-108): Study the following information carefully and answer the questions given below
Eight persons P, Q, R, S, T, U, V and W were born on a four different month i.e., January, March, April and July on two different dates i.e., 3rd and 6th of the given months (All information not necessarily in the same order). No one was born between U and W, but they were born on different months. W was not born on an even number date. S was born on 3rd march and one person was born between S and P. Q was born on even date and the month which has even number of days. V was born after Q and before T.

Q104. Who among the following person was born on 3rd April?
(a) P
(b) R
(c) U
(d) Q
(e) None of these

Q105. The number of people born before R is same as the number of people born after ____?
(a) P
(b) U
(c) Q
(d) T
(e) V

Q106. Four of the following are alike in a certain way and hence form a group find the one which does not belong to that group?
(a) P
(b) R
(c) V
(d) W
(e) T

Q107. Who among the following person was born on 3rd January?
(a) P
(b) R
(c) W
(d) U
(e) None of these

Q108. How many persons were born between W and R?
(a) One
(b) Three
(c) Four
(d) Two
(e) Five

Directions (109-112): In each of the following questions two rows of numbers are given.
The resultant number in each row is to be works out separately based on the following rules and the question below the rows of numbers are to be answered. The operations of numbers progress from left to right.
(i) If the even number is followed by an even number, then they are added to each other.
(ii) If the even number is followed by an odd number, then the first number is subtracted by the second number.
(iii) If the odd number is followed by an odd number, then the first number is multiplied by the second number.
(iv) If the odd number is followed by an even number, then the first number is divided by the second number.
(v) If the even number is followed by an even perfect square number, then they are added to each other.

Q109. What will be the answer if the resultant of the first row is added to the resultant of the second row?

64 8 34 16
23 9 3

(a) 621
(b) 645
(c) 720
(d) 743
(e) None of these

Q110. What will be the answer if the resultant of the second row is subtracted from the resultant of the first row and then multiplied by 2?

8 99 3 6
22 8 33 9

(a) 37
(b) 36.5
(c) 41
(d) 40
(e) 48

Q111. What will be the answer if the resultant of the first row is divided by the resultant of the second row?

16 63 5
24 16 45

(a) 40
(b) 25
(c) 47
(d) 7
(e) None of these

Q112. What will be the resultant of the addition of the numbers which will come in the place of question marks in both rows?

18 36 71 5 = ?
20 25 ?   = 155

(a) 65
(b) 31
(c) 116
(d) 60
(e) None of these

Directions (113-116): In each of the questions below. Some statements are given followed by conclusions/group of conclusions. You have to assume all the statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusions logically follow from the information given in the statements:

Q113. Statement:
All S are M
Some M are H
Some H are B
No B is C
Conclusion:
I) Some S are B
II) Some H are not C
(a)If only conclusion I follows
(b)If only conclusion II follows
(c)If either I or II follows
(d)If neither I nor II follows
(e)If both I and II follows conclusion

Q114. Statements:
All tyre are road
Some road are wheels
All wheels are gear
Conclusions:
i) All Wheels being Tyre is a possibility
ii) Some Tyre are Gear
(a)If only conclusion I follows
(b)If only conclusion II follows
(c)If either I or II follows
(d)If neither I nor II follows
(e)If both I and II follows conclusion

Q115. Statements:
All press are round
All rectangle are press
No line is a round
Conclusion:
i) Some press being line is a possibility
ii) Some rectangle are rounds
(a)If only conclusion I follows
(b)If only conclusion II follows
(c)If either I or II follows
(d)If neither I nor II follows
(e)If both I and II follows conclusion

Q116. Statements:
All mouse are computer
No computer are laptop
Only dell are laptop
Conclusion:
i) Some mouse are computer
ii) Some dell being computer is a possibility
(a)If only conclusion I follows
(b)If only conclusion II follows
(c)If either I or II follows
(d)If neither I nor II follows
(e)If both I and II follows conclusion

Directions (117-121): Read the following information carefully and answer the following questions.

Eight boxes are kept one above another in the shelves of 10 racks but not necessarily in the same order. One box is kept on only one rack. Two racks are vacant. Each box contains different food items viz. Floor, Rice, Pulses, Spices, Toffees, Biscuits, Sweets and Cakes but not necessarily in the same order.

The Box of Toffee is not kept below the Box of Pulses. Three boxes are kept between the Box which contains Floor and the Box which contains Spices. Box which contains Floor is kept just above or just below the Box which contains Cakes. Only three racks are in between the Box which contains Cakes and one of the vacant racks. There are three racks between both the vacant racks and neither of them is kept at the top nor at the bottom. The number of boxes kept above the Box which contains Spices is same as below the Box which contains Biscuits. The Box which contains Sweets is not kept at the top but it is kept one of the places above the Box of Spices. The number of racks between the Box of Cakes and the Box of Sweets is same as the number of Boxes kept between Box of Rice and Box of Toffees.

Q117. How many Boxes are kept between the Box of Pulses and the Box of Biscuits?
(a) One
(b) Four
(c) Two
(d) Three
(e) None of these

Q118. Which item is kept at the top of the Shelve?
(a) Floor
(b) Cakes
(c) Biscuits
(d) Pulses
(e) None of these

Q119. How many racks are between the Box of Sweets and the Box of Rice?
(a) One
(b) Two
(c) Three
(d) Five
(e) None of these

Q120. Which items are kept just above both the vacant racks?
(a) Pulses and Rice
(b) Sweets and Toffee
(c) Pulses and Sweets
(d) Toffee and Rice
(e) None of these

Q121. Four of the following five are alike in a certain way based on a group, which of the following does not belong to that group?
(a) Pulses
(b) Rice
(c) Toffee
(d) Sweets
(e) Cakes

Directions (122-123): Study the following information carefully and answer the questions given below:

The data breach at 19 Indian banks that has led to more than 32 lakh debit cards being blocked or recalled is a wake-up call for the banking industry. While the actual number of complaints received so far, 641, and the sum of money that appears to have been fraudulently withdrawn, Rs.1.3 crore, are both small relative to the scale of the potential data theft, it is disconcerting that it has taken almost six months for the system to officially acknowledge the incidents and initiate steps to address them. A private bank appears to have been a point of entry for the data criminals who, according to reports, may have infiltrated using malware at ATMs operated by a third-party payment services vendor. The National Payments Corporation of India has been coordinating investigations into the incident, and a forensic audit is expected to reveal preliminary findings soon.

Q122. Which of the following possible *reason* of pilferage of money from Indian banks?
(I) Account of many Indians who are using Chinese mobile are hacked by Chinese hackers.
(II) Data regarding bank account are theft using malware at ATMs operated by third-party payment services vendor.
(III) Information regarding bank account are leaked by officials of Indian Banks to poacher.
(a) Only I and III
(b) Only III
(c) Only II and III
(d) Only II
(e) None of these

Q123. Which of the following is *not in line* in context of passage?
(I) NPCI is trying to find out the reason behind leakage of information regarding bank account.
(II) Ministry of defense makes alert to all his officials regarding chances of larceny.
(III) There is lack of effort by officials of investigation agency as it has taken almost six months for the system to officially acknowledge the incidents.
(a) Only II and III
(b) Only I and III
(c) Only II
(d) Only I
(e) None of these

Directions (124-128): Study the following information carefully and answer the questions given below:

Eight persons A, B, C, D, E, F, G and H are sitting around a circular table but not necessarily in the same order. All of them are facing inside the circle. They all like different colours. The one who likes Black sits opposite to the one who like cyan. The one who likes Green sits opposite to E, who likes orange. The one who likes Green sits second to the right of F. F and A are immediate neighbours of G. F likes either black or cyan. G sits to the immediate left of A. There are two persons sitting between A and D. The one who likes black and the one who likes orange are the immediate neighbours of the one who likes yellow. H sits third to the right of B. D does not like maroon and yellow. The one who likes White sits third to the right of the one who likes orange. One of the person likes pink.

Q124. Who among the following sits opposite to the one who likes green?
(a) The one who likes Orange
(b) The one who likes Yellow
(c) The one who likes Black
(d) The one who likes White
(e) The one who likes Pink

Q125. Who among the following sits second to the right of D?
(a)A
(b) The one who likes Black
(c)E
(d)H
(e) The one who likes Maroon

Q126. Which among the following colour does F like?
(a)White
(b)Maroon
(c)Cyan
(d)Black
(e)Yellow

Q127. If all the persons are sitting alphabetically order in the anti-clockwise direction starting from A, then positions of how many persons will remain unchanged (excluding A)?
(a)Three
(b)Two
(c)One
(d)Four
(e)None

Q128. Who among the following sits fourth to the right of D?
(a) G
(b) The one who likes Maroon
(c) The one who likes Green
(d)H
(e)E

Directions (129-132): In these questions, relationship between different elements are shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:

Q129.
Statements: F≤G<I=T≥O>S, T≤P>R
Conclusion
I: P≤F
II: I>R

(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q130.
Statements: G≤E>H=F<Q≤R=A<P, E>D
Conclusion
I: A>D
II: Q>H

(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q131.
Statements: D>F<H=U≥O≥L, U>X, H≤E
Conclusion
I: X<E
II: L≤E

(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q132.
Statements: J<H≥K≥U=L≥D=O<P
Conclusion
I: H>O
II: H=O

(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q133. Following questions are based on the five numbers given below, Study the following numbers and answer the following question:

234   562   876   235   987

If the digits are arranged in ascending order within the number, then the sum of all the even numbers is how much more than the sum of all the odd numbers thus obtained?
(a)143
(b)121
(c)144
(d)551
(e)625

Directions (134-135): Study the following information carefully and answer the questions given below:

(i) 'P # Q' means 'P is mother of Q'
(ii) 'P % Q' means 'P is father of Q'
(iii) 'P $ Q' means 'P is sister of Q'
(iv) 'P @ Q' means 'P is brother of Q'

Q134. Which of the following shows 'A is grandmother of D'?
(a) D #Q% A# I
(b) A@ B $ D $ F
(c) B @ A %F$D
(d) A#F@E#D
(e) None of these

Q135. How M is related to F in the expression 'A#W$F ; M%W#E '?
(a) Son
(b) Daughter
(c) Father
(d) Mother
(e) Sister

Q136. In the following questions, the symbols #, &, @, *, $, % and ! are used with the following meanings as illustrated below. Study the following information and answer the given questions:
A @ B- B is son of A.
A ! B- B is father of A
A % B- B is brother of A
A & B- B is daughter of A
A $ B- B is sister of A
A * B- B is wife of A
A # B- B is mother of A
If the given expression: 'E # F $ D ! M @ N # P' is true, then how is E related P?
(a) Grandson
(b) Grand-daughter
(c) Brother
(d) Daughter
(e) Can't be determined

Directions (137-139): Study the following information carefully and answer the questions given below-
Point G is 6m to the east of point H. Point F is 4m to the north of point G and 8m to the east of point E. Point D is 9m to the south of point E. Point C is 3m to the west of point D. Point B is 5m to the north of point C. Point A is 4m to the west of point B.

Q137. What is the total distance from point B to D?
(a)5m
(b)3m
(c)8m
(d)2m
(e)7m

Q138. In which direction is point E with respect to point A?
(a)North
(b)North east
(c)South west
(d)South
(e)None of these

Q139. What is the total distance from point D to H?
(a)25m
(b)27m
(c)29m
(d)23m
(e)15m

Q140. If we arrange the digits of the number "**4536983267**" in ascending order from left to right, then the places of how many digits will remain unchanged?
(a) Only' 1' and '3'
(b) Only '3'
(c) Only'3' and'7'
(d) Only'1'
(e) None of these

Directions (141-150): Read the given passage carefully and answer the following questions. Certain parts have been highlighted to help answer the questions.

Greater investment in care services can create an additional 300 million jobs globally, many of which will be for women. In turn this will help increase female labour force participation and advance Sustainable Development Goal (SDG) 8 (which is to 'promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all').

Every year, March 8 is celebrated as International Women's Day. The immense contribution of women to all spheres of life is often overlooked, unfairly valued, and hardly rewarded. This is 'particularly evident in care work — both paid and unpaid, which is crucial to the future of decent work. Care work encompasses direct activities such as feeding a baby or nursing an ill partner, and indirect care activities such as cooking and cleaning'. Whether paid or unpaid, direct or indirect, care work is vital for human well-being and economies. Unpaid care work is linked to labour market inequalities, yet it has yet to receive adequate attention in policy formulation. Paid care workers, such as domestic workers and anganwadis in India, also struggle to access rights and entitlements as workers.

The importance of care work is now widely **acknowledged** and covered in various international commitments such as the SDGs and the International Labour Organization (ILO)'s Centenary Declaration. Since March 2020, the demand for care services has skyrocketed. However, the investment in the care economy has not matched the pace. This year, to _____ International Women's Day, the ILO brought out its new report titled, 'Care at work: Investing in care leave and services for a more gender-equal world of work'. The ILO is the only tripartite UN agency, which brings together governments, employers, and workers of 187 member States, sets labour standards, develops policies and devises programmes promoting decent work for all women and men. The report highlights the importance of maternity, paternity, and special care leave, which help balance women's and men's work and family responsibilities throughout their lives. Furthermore, it demonstrates that workplaces that provide time, income security and space for undertaking care services such as breastfeeding, enable positive nutrition and health outcomes. Bridging the gaps in current policies and service provisions to **nurture** childcare and elderly care services will deliver the benefits of child development, aging in dignity and independent living as the population grows older and also generate more and better employment opportunities, especially for women.

Q141. What is/are the advantage(s) of investment in care services?
(a) Investment in care services will boost female labour participation
(b) This investment will forge ahead the Sustainable Development Goal 8.
(c) This will create huge opportunities of employment throughout the world.
(d) All of these
(e) None of these

Q142. According to the passage, why care work's role is crucial?
(a) It is important for human welfare and economies
(b) Care work is vital to attain the future of standard work
(c) Care work provides support in the daily chores of households
(d) Both (B) and (C)
(e) Both (A) and (B)

Q143. What is/are the struggle(s) of paid care workers?
(a) Paid workers are struggling to raise their minimum wage per day
(b) They face difficulty in finding steady source of living and hence seeking guaranteed employment.
(c) They are asking the government to set up a committee to protect their wellbeing and rights
(d) Care workers who are getting paid are grappling to get access of the due rights and prerogatives as workers
(e) All of these

Q144. International Labour Organizations has released its report named..............
(a) Importance of Care Worker: A world promoting direct and indirect involvement of care workers
(b) Care at work: Investing in care leave and services for a more gender-equal world of work
(c) Recognition to contribution: An underestimated support of every care worker that should be valued and appreciated
(d) Violation of equality: A world with equal participation of both genders but grappling with disparity
(e) None of these

Q145. What is/are the obligation(s) of ILO?
(a) ILO conceives programmes advancing fair work for all male and female
(b) It establishes labour standards and formulate policies
(c) It convenes governments, and employers, and workers of all member states
(d) None of these
(e) All (A), (B) and (C)

Q146. Which of the following is/are the highlight(s) of the report by ILO?

(i) Importance of allocating space in offices for care services such as breastfeeding

(ii) Embracing the work culture that acknowledges employees' family and work responsibility.

(iii) Importance of establishment of a workplace that grants income security and balanced life to the employees

(a) only (i)

(b) Both (i) and (ii)

(c) Only (iii)

(d) Both (ii) and (iii)

(e) All (i), (ii), (iii)

Q147. Which of the following is/are NOT TRUE as per the information given in the passage?

(i) Demand for care services has decreased since March 2020.

(ii) Every year women's day is celebrated on the second Saturday of March.

(iii) Contribution of women in all sectors is often disregarded and not appreciated.

(a) Both (ii) & (iii)

(b) Only (i)

(c) Only (ii)

(d) Both (i) & (ii)

(e) None of these

Q148. Which of the following can be used to fill the blank given in the passage in order to make a grammatically correct and contextually meaningful sentence?

(a) cessation

(b) commemorate

(c) resurrect

(d) bode

(e) None of these

Q149. Which of the following is the similar in meaning of '**Nurture**' given in bold in the paragraph?

(a) fray

(b) gamut

(c) foster

(d) annex

(e) None of these

Q150. Which of the following is the opposite in meaning of '**Acknowledged**' given in bold in the paragraph?

(a) attribute

(b) flotsam

(c) tilt

(d) lacuna

(e) None of these

Q151. There are four sentences given in each question. Find the sentence which is grammatically incorrect. Mark incorrect sentence as your answer. If all the sentences are correct, choose (E) i.e. 'All are correct' as your answer.

(a) Western nations want to throw Russia out of the G-20.

(b) India spends less than 1% of its GDP on the care economy

(c) The announcement and invocation of sanctions cannot be hurried done

(d) Many architects hold the firm view that professional education should be left to professionals

(e) All are correct

Q152. There are four sentences given in each question. Find the sentence which is grammatically incorrect. Mark incorrect sentence as your answer. If all the sentences are correct, choose (E) i.e. 'All are correct' as your answer.

(a) Copyright is a bundle of rights that give the creator exclusive economic rights for the reproduction

(b) The government has sanctioned the production of local beverages

(c) A scientific worker has recently invented a machine capable of recording human emotion

(d) Micro, Small and Medium Enterprises are critical for achieving the overall objectives of economic development.

(e) All are correct

Q153. There are four sentences given in each question. Find the sentence which is grammatically incorrect. Mark incorrect sentence as your answer. If all the sentences are correct, choose (E) i.e. 'All are correct' as your answer.

(a) Anger is growing among the residents as they face continuing shortages of food.

(b) Even in democratic countries, demands are increasing of more socialism

(c) A sanction can be defined as a measure of coercion of an economic nature

(d) Price stability is a necessary precondition to sustainable growth

(e) All are correct

Q154. There are four sentences given in each question. Find the sentence which is grammatically incorrect. Mark incorrect sentence as your answer. If all the sentences are correct, choose (E) i.e. 'All are correct' as your answer.

(a) Mr. Macron set himself up for conflict with those who refused to be vaccinated

(b) India has improved its strategic partnership with the U.S

(c) Sri Lanka's neonatologists have made a desperate call for urgent medical supplies

(d) The United Arab Emirates abstained of a vote in the UN Security Council

(e) All are correct

Q155. There are four sentences given in each question. Find the sentence which is grammatically incorrect. Mark incorrect sentence as your answer. If all the sentences are correct, choose (E) i.e. 'All are correct' as your answer.

(a) As India sees a steady slump in its daily coronavirus count, the Centre has announced opening up the third, or 'precautionary doses'.

(b) Copyright is one of the most important rights a musician can hold, allowing them to safeguard their creations

(c) Data show that the incremental rise in petrol prices may continues for some more time.

(d) The Sri Lankan rupee has been hitting a record low every day.

(e) All are correct

Directions (156-160): In the sentences given below, four words have been highlighted. Identify the correct sequence of the words in the sentence. If all the given words are at their correct places, then choose 'No rearrangement required' as your answer.

Q156. Over the last few **enrolment (A)** in India, there has been a **massive (B)** government **drive (C)** to push for universal **decades (D)**, extending to secondary as well as primary school children.

(a) DCBA
(b) BCDA
(c) ACDB
(d) DBCA
(e) No rearrangement required

Q157. The primary **prohibiting (A)** of Weapons of Mass Destruction (WMD) was to provide a/an **objective (B)** and overarching legislation on **integrated (C)** unlawful **activities (D)**.

(a) DBCA
(b) No rearrangement required
(c) ADCB
(d) CDBA
(e) BCAD

Q158. Although Budget 2022-23 seeks to lay a **foundation (A)** and a blueprint to **resilient (B)** the economy over the (Amrit Kaal) next 25 years, it has **failed (C)** to bring in any plan/ideas that makes the MSME sector **steer (D)**.

(a) ADCB
(b) ACBD
(c) No rearrangement required
(d) BCDA
(e) BDAC

Q159. The war in Ukraine has brought **policies (A)** changes in the world as **recalibrate (B)** powers seek to **global (C)** their foreign **unexpected (D)**

(a) DCBA
(b) ABDC
(c) BCDA
(d) No rearrangement required
(e) ADCB

Q160. Confirmed (A) a historic **milestone (B)**, Ketanji Brown Jackson became the first Black woman to be **setting (C)** to the U.S. Supreme Court by the **Senate (D)**.

(a) DCBA
(b) CBAD
(c) BCDA
(d) CDAB
(e) No rearrangement required

Directions (161-165): Two columns are given with few sentences/phrases in each which are grammatically correct and meaningful. Connect them in the best possible way without changing the intended meaning. Choose the best possible combination as your answer accordingly from the options to form a correct, coherent sentence.

Q161. Column (I)

(A) While everyone will concur that the quality standards of
(B) The Nepal Parliament has been dysfunctional after
(C) Macro-economic miseries have all wrecked Sri Lanka's

Column (II)

(D) cracks within the former Communist alliance developed
(E) with shape of credible road map for economic recovery
(F) plans for an economic recovery

(a) Only (A)-(E) and (C)-(F)
(b) Only (B)-(F)
(c) Both (B)-(D) and (C)-(F)
(d) Only (A)-(D)
(e) None of these

Q162. COLUMN (I)

(A) The adoption of the Charter at BIMSTEC summit promises to re-energise
(B) One ought not to forget that there are possibilities of further variants
(C) Canberra is keen on bolstering its ties with India was very clear when

COLUMN (II)

(D) at their seams and COVID-19 protocols are hardly observed.
(E) it ceremoniously returned 29 antiquities to India.
(F) the 25-year-old grouping at a time of growing global uncertainties.

(a) Only (A)-(F) and (C)-(E)
(b) Only (B)-(F)
(c) Both (A)-(F) and (B)-(E)
(d) Only (C)-(F)
(e) None of these

Q163. COLUMN (I)

(A) The trial of strength is best tested this way instead of having

(B) Official industrial data shows output in the eight core sectors

(C) The RBI's Monetary Policy Committee has its work cut out in a

COLUMN (II)

(D) other senior citizens who have received such strange messages

(E) recovery from the onslaught of the COVID-19 pandemic

(F) grew at the fastest pace in four months

(a) Only (A)-(E) and (C)-(F)

(b) Only (B)-(F)

(c) Both (A)-(F) and (B)-(D)

(d) Only (A)-(D)

(e) None of these

Q164. COLUMN (I)

(A) The Union Home Ministry has decided to reduce the number of

(B) While this piecemeal gesture would be welcomed by the residents

(C) Despite the vociferous protests from security forces for the retention of

COLUMN (II)

(D) have been excluded from the disturbed area notification

(E) thus limiting its operation fully to only nine districts

(F) in effect circumscribing the conditions in which the immunity is applied

(a) Only (A)-(E) and (C)-(F)

(b) Only (B)-(D) and (C)-(F)

(c) Both (A)-(F) and (B)-(E)

(d) Only (A)-(D)

(e) None of these

Q165. COLUMN (I)

(A) Groundwater helps reduce the risk of water shortage

(B) Biological contamination has also been reported

(C) The Russian invasion of Ukraine has led to

COLUMN (II)

(D) a flurry of diplomatic activity in New Delhi

(E) and caters to the needs of arid regions

(F) from different parts of the country

(a) Only (A)-(E) and (C)-(F)

(b) Only (B)-(F), (A)-(E) and (C)-(D)

(c) Both (A)-(F), (B)-(E) and (C)-(D)

(d) Only (A)-(D)

(e) None of these

Directions (166-170): In the following questions, a word is given in bold with four sentences following it. Identify and mark the correct sentence highlighting the idiom that reflects the meaning of the given word. If none of the idiom given in sentences expresses the meaning of the given word in bold, mark option 'none of these' as your answer choice

Q166. Seldom

(a) Please stop **beating around the bush** and come to the point.

(b) The company offers up a free sample deal **once in a blue moon**.

(c) She is not coming to the party as she is feeling **under the weather**.

(d) Jack had **butterflies in his stomach** when his marriage was fixed.

(e) None of these

Q167. Exorbitant

(a) I am glad that both the political parties **see eye to eye** about the women empowerment.

(b) He is really **on the ball** and never makes a mistake in completion of his projects

(c) The newly launched phone with updated version will **cost us an arm and a leg**

(d) John is a **tough cookie** and never feels insulted when people make fun of him

(e) None of these

Q168. Famish

(a) After a long drive of vaccination, the doctors decided to **call a day**.

(b) I hadn't have my breakfast in morning and after long hours of non-stop work I **can eat a horse**

(c) In the era of digitalization, online scams and frauds are **dime a dozen**

(d) Earlier I thought that travelling for 48 hours would be **a piece of cake**

(e) None of these

Q169. Persistent

(a) John was annoyed with his neighbors but when they were played loud music at mid night, it was **the last straw**

(b) We were about to **hit the sack** when we felt the waves of an earthquake.

(c) As she has never cooked before therefore making tea also is **rocket science** for her.

(d) He was fed up with his boss's behavior but due to financial problem he decided to **hang in there**.

(e) None of these

Q170. Salubrious
(a) After the treatment, your mother will be **as right as rain**.
(b) I think she has **bitten more than she can chew** and she'll try hard to handle all projects together.
(c) I have lots of important things to do therefore I am keeping my favorite web series **at arm's length**
(d) After she came to know that I am a police officer, she **changed her tone**
(e)None of these

**Directions (171-173): Read the data given below carefully and answer the questions.**
There are two schools A & B in a town. Total number of girls in school B are 30 more than twice of total number of girls in school A. Total number of boys in school B are equal to total number of number of students (boys + girls) in school A.

Q171. If in school A total number of boys and girls are 'X' and 'Y' respectively, then the difference between total boys in both schools and total girls in both schools will be represented as (Total boys in both schools together are more than that of total girls):
(a) 2X – 2Y - 30
(b) 3X – 2Y + 30
(c) 2X – Y – 30
(d) 3X – 3Y + 30
(e) None of these

Q172. If total students in school B is 180 less than twice of total students in school A, then find the difference between total students in school A and total girls in school B?
(a) 240
(b) 280
(c) 420
(d) 210
(e) None of these
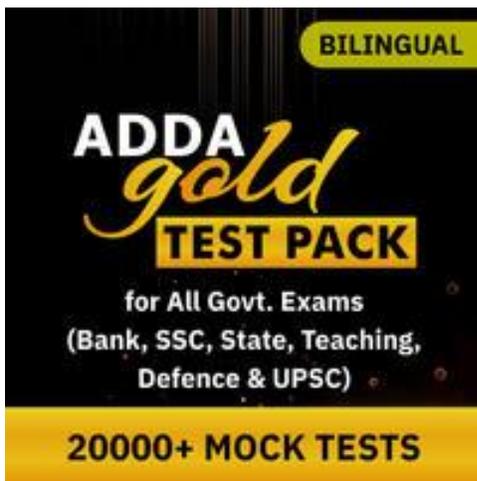
Q173. If the number of girls in school B is 450, then find the number of boys in school B (total number of students in school B is 180 less than twice the number of students in school A)
(a) 630
(b) 420
(c) 570
(d) 600
(e) 480

Q174. A container of capacity 80 liters is filled with the mixture of milk and water. If certain quantity of mixture is taken out, then 70% of milk and 30% of water is removed out from the mixture and overall 55% percent of the container will be vacant then find the initial quantity of water and milk in the container.
(a) 30l, 50l
(b) 50l, 25l
(c) 25l, 55l
(d) 55l, 25l
(e) 35l, 45l

Q175. There are 5 red, 6 black and 5 blue balls in a bag. Out of these balls, four balls are picked at random from the bag. Then, what is the probability that one is red, two is black and one is blue ball?
(a) $\frac{75}{362}$
(b) $\frac{75}{364}$
(c) $\frac{71}{362}$
(d) $\frac{70}{363}$
(e) $\frac{5}{26}$

Q176. Rajat have some money in his hand. He invested 20% of the money in scheme 'A' for 4 years at 6% p.a., 30% of the amount in scheme 'B' for 6 years at 12% p.a., remaining in scheme 'C' 2 years at 15% p.a. If total amount Rajat received from scheme 'A', 'B' and 'C' is 11,355, then find the difference of sum invested in scheme 'B' and scheme 'A'.
(a) 1800
(b) 1500
(c) 1200
(d) 750
(e) 270

Q177. If sum of upstream and downstream speed of boat is 72 km/hr. and if the boat travels 105 km upstream in 3 hours 30 min. then find the time taken to travel 126 km downstream
(a) 3 hours
(b) 3 hours 20 min
(c) 2 hours
(d) 2 hours 32 min

Q178. Length of a rectangular blackboard is 10 cm more than that of its breadth. If its length is increased by 8 cm and its breadth is decreased by 5 cm, its area remains unchanged. Find the area of the black board.

(a) 1200 cm^2

(b) 1250 cm^2

(c) 320 cm^2

(d) Data inadequate

(e) None of these

Directions (179-183): Given below are two-line graphs, first line graph shows the percentage of voters who polled votes from five different villages in the elections held in year 2016. 2nd line graph show the percentage of valid votes polled out of votes polled in these villages.

Note → Total voters = voters polled votes + voters who do not polled

Total poled votes = valid votes polled + invalid votes polled
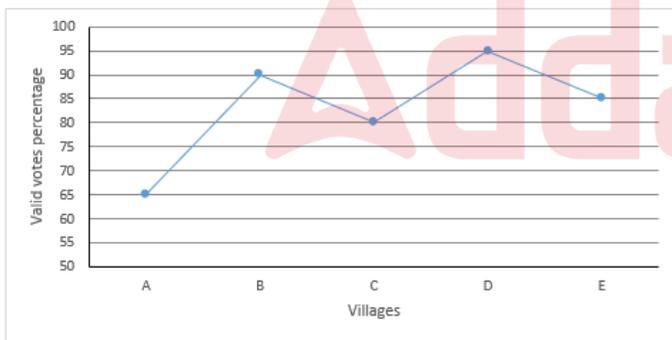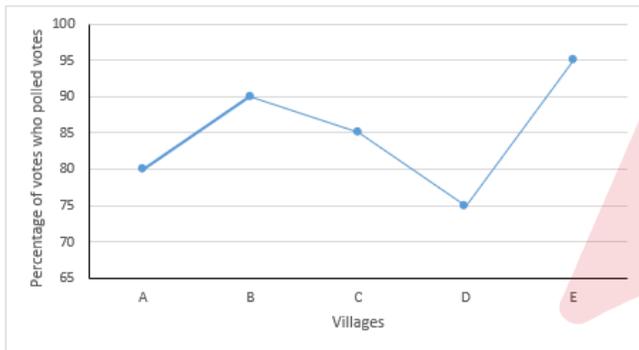
Q179. If difference between the votes polled and valid votes polled from village C is 3740 and sum of votes polled and invalid votes polled from village D is 9450 then find the total voters from village C and D together

(a) 35500

(b) 36000

(c) 33000

(d) 32000

(e) 34000

Q180. If ratio of total voters from village E to village B is 7 : 9 and ratio of males to female in the invalid votes of E and village B is 4 : 3 and 3 : 2 respectively then females who cast invalid votes from village E are what percent of males, who cast invalid votes from village B (approximately)

(a) 96%

(b) 88%

(c) 80%

(d) 75%

(e) 82%

Q181. In village A only two contestants are participated in the election and winner got $52\frac{1}{2}$% of the total valid votes and won by 390 more votes than another contestant. Find the total voters in village A.

(a) 13,500

(b) 12,000

(c) 15,000

(d) 14,000

(e) 10,000

Q182. In village D, if it was found that percentage of votes polled which are valid is 80% instead of 95% (as given in line graph) then total valid votes are decreased by 1350. If ratio of total voter from village D to village E is 6 : 7 then, find total valid votes polled in village E

(a) 11305

(b) 11200

(c) 10800

(d) 9500

(e) 10980

Q183. If total voters in village A is 15000 in which 60% are males and ratio of males to females in total valid votes for same village is 9 : 13, then how many females are there who did not polled the votes ?

(a) 870

(b) 1420

(c) 1320

(d) Can't be determined

(e) 2200

Directions (184-187): Find wrong number in the given series:

Q184. 16, 1, 0, 1, 16, 32, 256

(a) 1

(b) 16

(c) 32

(d) 256

(e) 0

Q185. 6, 8, 33, 116 604,3594, 25207
(a) 33
(b) 116
(c) 3594
(d) 25207
(e) 604

Q186. 4, 8, 17, 33, 58, 93, 143
(a) 8
(b) 93
(c) 17
(d) 33
(e) 58

Q187. 5, 16, 50, 153, 463, 1393, 4188
(a) 463
(b) 4188
(c) 1393
(d) 153
(e) 50

Q188. 20 men can complete a work in 12 days and 5 women are as efficient as 3 men. 4 men and 10 women started to complete the work and worked for 8 days. Find the additional number of women required to complete the remaining work in 10 more days.
(a) 6
(b) 5
(c) 7
(d) 10
(e) 8

Q189. A man invests a part of Rs.10000 at 5% and the remainder at 6%. The 5% investment yields annually Rs.76.50 more than the part invested at 6%. The amount invested at 6% is
(a) Rs.3600
(b) Rs.3850
(c) Rs.3500
(d) Rs.4000
(e) None of these

Q190. Bus A and bus B start from point P and Q respectively and move towards each other. Buses cross each other after 4 hours. If the speed of Bus A increases and speed of Bus B decreases after every hour by 10 km/hr then find the distance between Point P and Q if average speed of buses is 70 km/hr.
(a) 560
(b) 490
(c) 420
(d) 630
(e) None of these

Q191. A shopkeeper while purchasing sugar from the wholesaler, manages to receive 25% more sugar than the quantity for which he pays. While selling sugar to the customers he sold $16\frac{2}{3}\%$ less than the quantity for which the customers pay. If he claims to sell sugar at the cost price, then his net profit percentage is _____%.
(a) 40%
(b) 50%
(c) 60%
(d) 35%
(e) 48%

Q192. 'P' number of pipes can fill a swimming pool in 21 day working 8 hours per day, while the ratio of days taken by 'P' number of pipes working 8 hours per day to days taken by (P -1) pipe working 6 hours per day is 7 : 10, then find the value of 'P'.
(a) 12
(b) 15
(c) 18
(d) 20
(e) 24

Q193. Santosh has two sons named A and B. The ratio of Santosh and B's present age is 5 : 1 and ratio between Santosh and A's age 2 year ago was 3 : 1. If A is 6 years elder than that of B then find Santosh's age when A was born?
(a) 35 years
(b) 28 years
(c) 25 years
(d) 20 years
(e) 22 years

Directions (194-195): In the following questions two quantities are given for each question. Compare the numeric value of both the quantities and answers accordingly.

Q194. A and B invested Rs. 'A' and Rs. (A + 1000) for two years at the rate of 10% and 5% respectively on compound interest per annum. B obtained Rs. 5 less interest than A.

Quantity I – Value of 'A'.

Quantity II – Value of $\frac{3}{5}th$ of (A + 1000).

(a) Quantity I > Quantity II
(b) Quantity II > Quantity I
(c) Quantity I ≥ Quantity II
(d) Quantity II ≥ Quantity I
(e) Quantity I = Quantity II or relation can't be established.

Q195. Quantity I: Find sum of a and b. If difference between a and square of b is 1 and b is

$33\frac{1}{3}\%$ of square root of 81. $(a > b^2)$.

Quantity II: 12
(a) Quantity I > Quantity II
(b) Quantity II > Quantity I
(c) Quantity I ≥ Quantity II
(d) Quantity II ≥ Quantity I
(e) Quantity I = Quantity II or relation can't be established.

Directions (196-200): Bar graph given below shows number of 4G users more than (in percentage) to number of 5G users in five offices and difference between 4G and 5G users (in '0) in these five offices. Read the data carefully and answer the questions.

difference between 4G and 5G users ▪ 4G users more than (in percentage) to number of 5G users
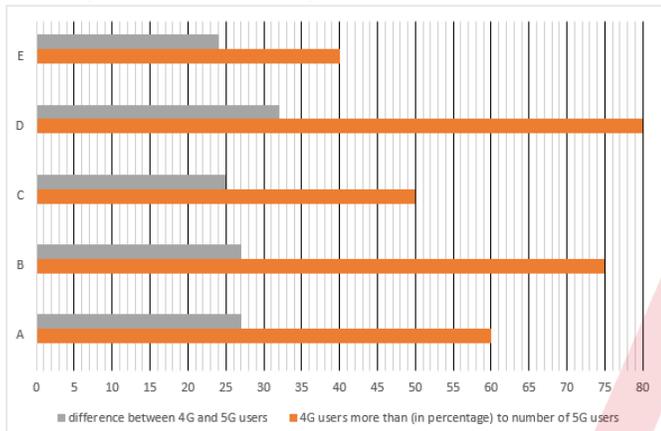
Q196. The average number of 5G users in A, B & E together are how much less than average number of 4G users in C & D together?
(a) 245
(b) 265
(c) 255
(d) 243
(e) 235

Q197. Total 4G users in B are what percent less than total 4G users in A & D together?
(a) 54.25%
(b) 58.25%
(c) 50.25%
(d) 56.25%
(e) 52.25%

Q198. Total 5G users in X are 40% more than total 5G users in C and total 4G users in X are 25% more than total 4G users in E. Find total 4G users in X are what percent more than 5G users?
(a) 50%
(b) 40%
(c) 45%
(d) 60%
(e) 64%

Q199. If Jio provides all 4G and 5G services in all given offices and cost for each 4G and 5G user is Rs. 50 & Rs. 80 respectively, then find total revenue gets by Jio from A & E together (in Rs.)?
(a) 162000
(b) 172000
(c) 184000
(d) 166000
(e) 164000

Q200. Find ratio of total 4G users in D & E together to total 5G users in B & E together?
(a) 11 : 8
(b) 12 : 7
(c) 13 : 8
(d) 13 : 9
(e) 13 : 11

Solutions

S1. Ans.(e)
Sol. All the given statements A, B & C are correct.
Details:
- The Reserve Bank of India (RBI) has shared details on **India's International Investment Position (IIP)** at the end of December 2022.
- According to the data, **non-residents' net claims** in India **dropped by US$ 12.0 billion** between October and December 2022, **settling at US$ 374.5 billion by the end of December 2022.**
- The **increase in India's foreign liabilities** was mainly driven by **trade credits and loans.**
- Furthermore, the data released by the RBI shows that **India's international assets** accounted for **70.0% of its international liabilities** by the end of December 2022, compared to 72.5% in the previous year.
- Meanwhile, the **proportion of debt liabilities in total external liabilities** slightly **increased to 50.2%** at the end of December 2022 from 49.8% in the previous quarter and 48.4% in the same period the previous year.

S2. Ans.(a)
Sol. The Unified Payments Interface (UPI), India's flagship digital payment platform, set a new record at the end of the fiscal year 2022-23.
Details:
- In March 2023, the UPI processed a historic high of **8.7 billion transactions, worth Rs 14.05 trillion.**
- This achievement marks yet another milestone for the UPI since its inception.
- As per the National Payments Corporation of India's (NPCI) data, UPI transactions in March 2023 witnessed a **60% increase in volume** and **a 46% increase in value** compared to the same period in the previous year.
- In March 2022, the UPI had processed 5.4 billion transactions worth Rs 9.6 trillion.

S3. Ans.(b)
Sol. The headquarters of the **United Nations Commission on Narcotics Drugs** is located in **Vienna, Austria.**
Details:
- **India** has recently been elected as a **member of the United Nations (UN) Statistical Commission Narcotic Drugs** and the Programme Coordinating Board of the Joint UN Program, signaling the country's increasing presence in the international arena.
- The **UN Statistical Commission Narcotic Drugs** is responsible **for addressing issues related to drug control** and ensuring compliance with international drug control treaties.

S4. Ans.(c)
Sol. The government has introduced a new program called the **"New India Literacy Programme"** (NILP), which is a Centrally Sponsored Scheme that will be implemented for **five years** from FY **2022-23 to 2026-27.**
Details:
- The scheme has a financial outlay of **Rs. 1037.90 crore,** with the **Central government contributing Rs. 700.00 crore** and the **State governments contributing Rs. 337.90 crore.**
- The primary objective of the program is **to provide literacy to 5.00 crore individuals** in the **age group of 15 years and above** who are currently unable to read or write

Key Focuses of the Scheme:
- Foundational Literacy and Numeracy
- Critical Life Skills
- Vocational Skills Development
- Basic Education
- Continuing Education

S5. Ans.(b)
Sol. Government Securities Lending (GSL) transactions shall be undertaken for a minimum period of one day and a maximum period of ninety days.
Additional Info-
- Government securities issued by the Central Government excluding Treasury Bills shall be eligible for lending/borrowing under a GSL transaction.
- Government securities issued by the Central Government (including Treasury Bills) and the State Governments shall be eligible for placing as collateral under a GSL transaction.
- Eligible participants The following entities are eligible to participate in GSL transactions as lenders of securities:
  - An entity eligible to undertake repo transactions in Government securities
  - Any other entity approved by the Reserve Bank for this purpose
  - Entities that are eligible to undertake short sale transactions
- **Tenor-** GSL transactions shall be undertaken for a minimum period of one day and a maximum period of ninety days.
- **Trading processes-** GSL transactions may use any mutually agreed trading process, including bilateral or multilateral, quote driven or order driven processes, anonymous or otherwise.

- **Settlement of trades**
  - All GSL transactions shall settle on a Delivery versus Delivery basis.
  - The first leg of all GSL transactions shall settle either on a T+0 or T+1 basis.
  - All GSL transactions shall settle through Clearing Corporation of India Ltd. (CCIL) or any other central counterparty approved by the Reserve Bank for the purpose.

S6. Ans.(c)
Sol. Only (iii) is correct.
Additional Info-
- To use UPI lite users must be on UPI App. Any user of UPI app will have the option to enable UPI Lite called 'On-Device Wallet' in their UPI App.
- Limit of UPI Lite Balance: Rs 2000 (Funds can only be added in online mode using Additional Factor Authentication (AFA) or UPI Autopay feature.
- Max transaction allowed using UPI Lite: Rs 200

S7. Ans.(e)
Sol. All (i), (ii) & (iii)
Additional Information-
- BHIM or Bharat Interface for Money is an Indian mobile payment app developed by the National Payments Corporation of India (NPCI) based on the Unified Payments Interface (UPI).
- The BHIM App was launched on 30th December 2016.
- It was named after the great Dalit leader Dr. Bhimrao Ambedkar.
- Currently it is available in 20 languages, i.e., English, Hindi, Marathi, Tamil, Telugu, Malayalam, Oriya, Punjabi, Gujarati, Marwari, Haryanvi, Bhojpuri, Urdu, Konkani, Manipuri, Mizo, Khasi, Kannada, Bengali, Assamese.
- You can use BHIM outside India to send and collect money for your local accounts. Please note that NRI/NRE accounts can only be used as per banks policy.
- You are not charged any for transacting on BHIM.
- A user can send up to Rs 100,000 per transaction and a maximum of Rs 100,000 per day for one bank account. This limit is available per bank account linked on BHIM.
- BHIM users can send money by using one of the following details of the beneficiary.
  - VPA (Registered on UPI)
  - Mobile No. (Registered on UPI)
  - Account Number and IFS code.

S8. Ans.(a)
Sol. NSFR requires banks to fund their activities with stable sources of finance (reliable over the one-year horizon). The minimum NSFR requirement is 100%.

S9. Ans.(b)
Sol. The **Unique Identification Authority of India (UIDAI)** has partnered with the **Indian Institute of Technology-Bombay (IIT-Bombay)** to develop a touchless biometric capture system that is easy to use and accessible from anywhere.
Details:
- The collaboration involves joint research between the two organizations to create a mobile fingerprint capture system and a liveness model that is integrated with the capture system.

S10. Ans.(c)
Sol. Full form of SPARC is Supervisory Program for Assessment of Risk and Capital.
IMPORTANT POINTS-
- RBS Framework as adopted by RBI is called SPARC (Supervisory Program for Assessment of Risk and Capital).
- It is risk-based, forward-looking, proactive and dynamic in identifying risk and prompting early response.

3 key objectives:
- Apply differentiated supervision based on risk profile.
- Focus on areas deemed as high risk for bank.
- Help banks improve their risk management systems, oversights and controls.

S11. Ans.(b)
Sol. Both (i) & (iii) are correct.
Additional Information-
- The 2022 Global Food Security Index (GFSI) report was released by the British Weekly the Economist.
- The 11th Global Food Security Index shows a deterioration in the global food environment for the third year, threatening food security.
- In this report, South Africa overtook Tunisia to become the most food-secure country in Africa.
- India is ranked at 68th position along with Algeria with the overall score of 58.9. China's position is at 25th with the score of 74.2.
- India was ranked at 71st position in the Global Food Security (GFS) Index 2021 of 113 countries with an overall score of 57.2 points on the GFS Index 2021.

S12. Ans.(d)
Sol. RBI had proposed amendments to the Reserve Bank of India Act, 1934, which would enable it to launch a CBDC.
IMPORTANT POINTS-
- CBDCs are a digital form of a paper currency and unlike cryptocurrencies that operate in a regulatory vacuum, these are legal tenders issued and backed by a central bank.
- It is the same as a fiat currency and is exchangeable one-to-one with the fiat currency.

- The digital fiat currency or CBDC can be transacted using wallets backed by blockchain.
- Though the concept of CBDCs was directly inspired by Bitcoin, it is different from decentralised virtual currencies and crypto assets, which are not issued by the state and lack the 'legal tender' status.
- Bahamas has been the first economy to launch its nationwide CBDC — Sand Dollar.
- Nigeria is another country to have rolled out eNaira in 2020.
- China became the world's first major economy to pilot a digital currency e-CNY in April 2020.

S13. Ans.(d)
Sol. HDFC Bank announced the launch of its sixth annual grants program for social startups in partnership with the Government of India's flagship initiative 'Startup India'.

S14. Ans.(d)
Sol. Canara Bank is NOT shortlisted for this project.
Additional Information-
- State bank of India(SBI), ICICI Bank, IDFC First Bank, HDFC Bank and Yes Bank are among a shortlist of at least five lenders that the Reserve Bank of India (RBI) has roped in to work on the retail pilot project of the central bank digital currency (CBDC).
- Five banks have been shortlisted to run the pilot along with the help of NPCI (National Payments Corporation of India) and RBI.
- Central Bank Digital Currency (CBDC) is a digital form of currency notes issued by a central bank. While most central banks across the globe are exploring the issuance of CBDC.

S15. Ans.(d)
Sol. Both (ii) & (iii) are Incorrect.
About GDP-
GDP Gross Domestic Product (GDP) is the final monetary value of all the goods and services produced within the boundaries of a country in a period (quarterly or yearly) of time.
In Gross Domestic Product-
- Gross refers to total market value
- Domestic refers to income generated locally or within the geographical boundaries of the country.
- Product refers to the goods and services.
- It includes income generated by the residents in the country + the income earned by non-nationals in the country
- It excludes income received by the residents of a country from abroad.

- It includes all private and public consumption, government outlays, investments, the foreign balance of trade (exports minus imports).
- GDP = Market value of everything produced within the country + Money earned by foreign nationals in the country – Money earned by residents from abroad.

The formula to find GDP is-
GDP = c + I + G + (X − M)
- GDP= Gross Domestic Product
- c= consumer Spending
- I= Investment
- G= Government Spending
- X= Export
- M= Import

S16. Ans.(e)
Sol. None of the above as all the statements given are correct.
Additional Info-
- The directorate general of foreign trade (DGFT) said it has simplified the process of Levying Composition Fee in case of extension of Export Obligation Period under Advance Authorisation Scheme.
- This move is aimed at improving Ease of Doing Business.
About Advance Authorization Scheme
- Advance Authorisation Scheme (AAS) or Advance License Scheme is a type of duty exemption scheme introduced by the Government of India under the Foreign Trade Policy 2015-2020.
- Under this scheme, exemption from the payment of import duties is given to raw materials/inputs required for the manufacture of export products i.e., one can import raw materials/inputs at zero customs duty for the production of export products.
- The purpose of this scheme is to make India's products competitive in the global market. When duties paid on raw materials are saved, it automatically brings down the cost of the final export product.

S17. Ans.(b)
Sol. The Ministry of Minority Affairs (MoMA) has discontinued the scheme of interest subsidy on education loans for overseas studies for students belonging to minority communities (Padho Pardesh).
Additional Info-
- All banks were notified by the Indian Banks' Association last month about the discontinuation of the Padho Pardesh Interest Subsidy Scheme from 2022-23.
- The scheme so far was being implemented through Canara Bank, the designated nodal bank.

About the Padho Pardesh Interest Subsidy Scheme from 2022-23

- Under the scheme, interest payable by the students availing education loans as prescribed under the Education Loan Scheme of the IBA for the period of moratorium (that is course period, plus one year or six months after getting a job, whichever is earlier) shall be borne by the Government of India.
- After the period of moratorium is over, the interest on the outstanding loan amount shall be paid by the student, in accordance with the existing Educational Loan Scheme.
- The Candidate will bear the Principal instalments and interest beyond moratorium period.

S18. Ans.(a)
Sol. Only (i) is Incorrect.
Additional Info-

- Ministry of Labour & Employment has initiated matching of eShram beneficiaries' data with Ration Card (National Food Security Act) data available.
- To ensure Ration Card benefits under NFSA is made available to all eligible workers registered on e-Shram portal.
- E-Shram portal seeks to extend the benefits of social security and welfare schemes to unorganised workers especially migrant workers.

e-Shram portal

- **Objective:** To create a National Database of the unorganized/migrant workers and to provide them with a Universal Account Number (UAN).
- **Launch Year**: 2021.
- **Ministry:** Ministry of Labour and Employment.
- e-Shram portal is already integrated with-
  o National Career Service (NCS) portal to get benefits of domestic as well as international jobs available on NCS portal.
  o PM Shram Yogi Maandhan portal to facilitate eShram registrants getting benefit of pension scheme of Ministry of Labour & Employment.

S19. Ans.(a)
Sol. Only (i) is Incorrect.
Additional Info-

- President Droupadi Murmu has inaugurated the project "Development of Srisailam Temple in the State of Andhra Pradesh" at Kurnool, Andhra Pradesh.
- The project has been sanctioned and executed under PRASHAD Scheme.
- It was 100% funded by the Ministry of Tourism.

About PRASHAD Scheme

- **Objectives**
  o Development and promotion of religious tourism in India.
  o To integrate pilgrimage destinations in a prioritised, planned and sustainable manner to provide a complete religious ntourism experience.

- **Launch Year**: 2014-15.
- **Ministry**: Ministry of Tourism.
- Financing: It is a Central Sector Scheme with complete financial assistance by the Central Government.
- It focuses on integrating infrastructure development to harness pilgrimage and heritage tourism destinations for its direct and multiplier effect upon employment generation and economic development.

S20. Ans.(d)
Sol. Both (i) & (ii) are correct.
About VISVAS Scheme-

- **Objective** – To provide financial assistance to SC and OBC selfhelp groups and individuals in the form of interest subvention.
- **Launch year** – 2020
- **Ministry** – Ministry of social justice and empowerment
- **Implementing agency** - National Scheduled Castes Finance Development Corporation (NSFDC) and National Backward Classes Finance and Development Corporation (NBCFDC).
- **Eligibility** – The beneficiary should have family income up to Rs.3 Lakhs.
- **Interest subvention-**
  o 5% interest subvention for loans up to Rs.4 Lakhs in case of SHGs
  o In case of individual beneficiaries, 5% interest subvention for loans up to Rs.2 Lakhs.

S21. Ans.(b)
Sol. For non-residential training programmes, the trainees will be paid stipend @ Rs.1,500/- per month for SC candidates, Rs.1,000/- per month to OBCs/EBCs/ DNTs and Rs.1,500/- per month to Sanitation
Workers including waste pickers and their dependents.
*For residential training programmes, wherever necessary, the trainees will be provided boarding and lodging and expenses compensated within CCN, for complete duration of the training programmes.
*No stipend will be separately payable except in case of Safai Karamcharis, Waste Pickers & their dependants who will be paid Rs.500/- per month.

S22. Ans.(e)
Sol. All the given statements are correct.
Eligibility Criteria
- Real estate projects that have been halted owing to a lack of necessary financing must be registered under the **Real Estate (Regulation and Development) Act (RERA).**
- Each of these projects must be nearing completion.
- They must also fall into the **'Affordable and Middle-Income Project'** category (any housing project with housing units smaller than 200 square metres).
- SWAMIH financing is also available for net-worth-positive projects.

Net-worth positive projects: are ones in which the value of their receivables (debts due to them by customers) plus the value of unsold inventories exceeds the value of their completion expenses and outstanding liabilities.
Hence, all 1, 2, and 3 statements are correct.

S23. Ans.(a)
Sol. The theme for this year's Women's Day, according to the United Nations is "DigitALL: Innovation and technology for gender equality."
International Women's Day is celebrated annually on March 8th. Its origins can be traced back to the activities of labor movements in North America and Europe at the turn of the twentieth century. It was officially recognized in 1977. The theme for this year's International Women's Day campaign is Embrace Equity, which aims to highlight the importance of gender equity in every society.

S24. Ans.(c)
Sol.
The Safe and Responsible Migration Initiative (SRMI) has been launched in Jharkhand.
- It intends to make systemic registration of migrant workers possible for analysis and monitoring in both the source and destination districts.
- Generating data and then mapping the laborers who go to various states in search of work are the top priorities of SRMI.

S25. Ans.(b)
Sol. Sundararaman Ramamurthy has been appointed by the Bombay Stock Exchange (BSE) as the company's managing director and CEO with effect from January 4, 2023.
Ashishkumar Chauhan The former CEO and MD of BSE, will now be succeeded by Ramamurthy.
Madhabi Puri Buch becomes the 10th chief of the market regulator, Securities and Exchange Board of India SEBI the first woman and the first private sector executive to head the institution.
UK Sinha was the Former chairman of Securities and Exchange Board of India (SEBI)
Shri B.V.R. Subrahmanyam joined as Chief Executive Officer of NITI Aayog on February 25, 2023.

S26. Ans.(c)
Sol. On February 1 and 2, Chennai hosted the G20 Education Working Group's (G20 EWG) inaugural gathering. The EWG concentrated on topics to provide inclusive, egalitarian, relevant, and excellent education and lifelong learning opportunities for all within the theme of "One Earth, One Family, One Future."

S27. Ans.(C)
Sol. Just like UPI, Singapore has PayNow facility.
Additional Info-
- Prime Minister Narendra Modi and his Singapore counterpart Lee Hsien Loong launched cross-border connectivity between the Unified Payments Interface (UPI) of India and PayNow of Singapore.
- This will enable low-cost, faster and 24x7 cross-border payments by Indians using Google Pay, Paytm and other similar digital payment systems to transfer money to people in Singapore and vice versa.

About UPI-
- UPI or Unified Payments Interface, is a quick payment method through which funds can be transferred instantaneously through mobile number.
- It was developed by National Payments Corporation of India (NPCI), which eleminates the risk of sharing bank account details through creation of a Virtual Payment Address (VPA).
- It supports both Person-to-Person (P2P) and Person-to-Merchant (P2M) payments.

About PayNow-
Just like UPI, Singapore has PayNow facility. The users can send and receive funds from one bank or e-wallet account to another with mobile number. This peer-to-peer payments linkage is enabled through participating banks and Non-Bank Financial Institutions (NFIs) in the country.

How will the linkage between UPI-PayNow help?
Generally, cross border payments are expensive. The UPI-Pay Now integration will enable fund transfers from India to Singapore using mobile phone numbers, and vice versa using UPI virtual payment addresses.

S28. Ans.(c)
Sol. Major crops: Paddy, corn; pumpkin, cucumber, tomato; almonds, peanuts, cashews; Gram, lentils, etc.
Additional Info-
The objective of the Zaid conference is to review and assess the crop performance during the preceding crop seasons and fix crop-wise targets for the summer season in consultation with State Governments.

What are Zaid crops?
- Zaid or summer crops are grown in the short season between Kharif and Rabi crops, between March and July.

- These crops are mostly grown on irrigated lands and therefore, the farmers do not wait for the monsoon.
- Zaid crops require warm soil and high temperatures (cooling at night) to grow.
- They require warm, dry weather as a vital growth period and longer day length for flowering.
- Most of the vegetables and hybrid cereals are grown in the zaid season.
- Cultivation areas in India: Uttar Pradesh, Punjab, Haryana, Gujarat, and Tamil Nadu.
- Zaid crop is significant for farmers as it gives fast cash to the farmers and is also known as a gap-filler between two chief crops, Kharif and Rabi.

S29. Ans.(b)
Sol. The first Prime Minister GatiShakti regional workshop for the Western and Central Zone was held in Goa.
Additional Info-
The workshop featured discussions on use cases of National Master Plan (NMP) adoption by Central Ministries & State Departments for planning and acted as a platform for mutual learning among the States and Central Ministries/Departments.

S30. Ans.(b)
Sol. IIT Kanpur hosted the Youth20 Consultation under the G20 Presidency of India.
Details:
- The Youth20 Consultation is a platform created by the Ministry of Youth Affairs and Sports, Government of India, to connect young people from around the world and help shape future policies.

S31. Ans.(a)
Sol. All (i), (ii) & (iii) are correct
Important Details-
- India ranks third globally with respect to the net gain in average annual forest area between 2010 and 2020.
- India now has 75 Ramsar sites for wetlands covering the area of 13.3 lakh hectares.
- During the period 2014 -2021, total investment in renewables stood at US$ 78.1 billion in India.
- The Survey mentions that the likely installed capacity by the end of 2029-30 is expected to be more than 800 GW, of which non-fossil fuel would contribute more than 500 GW.
- India achieved its target of 40 percent installed electric capacity from non-fossil fuels ahead of 2030.
- As on 30 September 2022, the government has sanctioned the entire target capacity of 40 GW for the development of 59 Solar Parks in 16 states.

- The issuance of Sovereign Green Bonds will help the government to tap the requisite finance from potential investors for deployment in public sector projects aimed at reducing the carbon intensity of economy
- The Reserve Bank of India has notified the indicative calendar for the issuance of Sovereign Green Bonds for the fiscal year 2022-23, totalling ₹16,000 crore.
- National Green Hydrogen Mission to enable India to be energy independent by 2047.
- Green hydrogen production capacity of at least 5 MMT (Million Metric Tonne) per annum to be developed by 2030.

S32. Ans.(d)
Sol. IIT-Madras has developed a mobile operating system ' to benefit India's 100 crore cell phone users in India.
Developed indigenously, by JandK Operations Private Limited, a Company established by IIT Madras, BharOS is a significant step towards developing robust indigenous digital infrastructure in the country.

S33. Ans.(e)
Sol. Both (i) & (iii) are correct.
Important Details-
- India will extend export benefits under the Remission of Duties and Taxes on Export Products (RoDTEP) scheme to domestic green hydrogen fuel manufacturers.
- India (one of the world's biggest emitters of greenhouse gases) has approved a $2.11 billion incentive plan to boost local production and encourage use of green hydrogen.
About Remission of Duties and Taxes on Exported Products (RoDTEP) scheme-
- Remission of Duties and Taxes on Exported Products (RoDTEP) scheme is a Department of Commerce (DoC) scheme which has been implemented for exports w.e.f. o1st January, 2021 for most of the chapters.
- The scheme rebates various Central, State and local duties/ taxes/levies which are not refunded under other duty remission schemes. This is a measure towards zero-rating of exports.
- RoDTEP is being implemented by Department of Revenue (DoR) with issuance of remission amount in the form of transferable duty credit electronic scrip.
- This is maintained in an electronic ledger in the Customs system. Section 51B was introduced in the Customs Act, 1962 in Finance Act, 2020 to provide for an electronic duty credit ledger.
- A monitoring and audit mechanism, with risk management system has also been put in place by CBIC.

S34. Ans.(b)
Sol. Prime Minister, Shri Narendra Modi named the 21 largest unnamed islands of Andaman & Nicobar Islands after 21 Param Vir Chakra awardees.
Important Details-
- During the programme, the Prime Minister also unveiled the model of the National Memorial dedicated to Netaji to be built on Netaji Subhas Chandra Bose Dweep.
- The largest unnamed island will be named after the first Param Vir Chakra awardee, the second largest unnamed island will be named after the second Param Vir Chakra awardee, and so on.

S35. Ans.(d)
Sol. The Minister of Ports, Shipping, and Waterways, Sarbananda Sonowal, introduced the **"Sagar Setu"** mobile application for the National Logistics Portal Marine.
Details:
- The "Sagar Setu" mobile app by the Ministry of Ports, Shipping, and Waterways offers a login module, service catalogue, Letter of Credit, bank guarantee, certification, and track & trace features.

S36. Ans.(c)
Sol. REC Limited, a Maharatna Company under the Ministry of Power, Govt. of India organized 'Bijli Utsav' in Anandapur Gaon of Baksa district and adjoining villages in Assam.
About REC Limited:
- It is an NBFC focusing on Power Sector Financing and Development across India.
- Established in 1969, REC Limited has completed fifty years in its field of operations.
- It provides financial assistance to State Electricity Boards, State Governments, Central/State Power Utilities, Independent Power Producers, Rural Electric Cooperative Societies and Private Sector Utilities.

S37. Ans.(e)
Sol. Currently, the RuPay credit card segment on the UPI platform is live with three public sector banks—Union Bank of India, Punjab National Bank, and Indian Bank—and one private sector bank—HDFC Bank.
Additional Info-
- The Reserve Bank of India authorized the connection of credit cards to UPI in June; UPI had previously been utilized as a "pay now" option.
- Users will benefit from more convenience as a result of the change, which will also expand the adoption of digital payments.

S38. Ans.(d)
Sol. Union Minister for Youth Affairs and Sports Anurag Thakur inaugurated the Sports Science Centre at M.G. Stadium in Udupi, Karnataka.
Additional Info-
- The state government has set up two sports science centers at Udupi and Bengaluru.
- These centers will conduct research on medicines, nutritious food, treatment and rehabilitation measures for sportspersons, which would help them to boost their abilities.

S39. Ans.(e)
Sol. All (i), (ii) & (iii) are correct regarding the locker rules to be implemented.
Additional Info-
The Reserve Bank of India (RBI) recently said that all leading banks should issue the locker agreement to its holders before January 1, 2023, as the new locker rules will be implemented from that date.
Highlights of the RBI's Revised Guidelines:
- Banks shall ensure that any unfair terms or conditions are not incorporated in their locker agreements.
- Further, the terms of the contract shall not be more onerous than required in the ordinary course of business to safeguard the interests of the bank.
- Banks shall renew their locker agreements with existing locker customers by January 1, 2023.
- All banks need to circulate a new locker agreement to their safe deposit locker holders under the new rules.
- According to the Central bank, all the lenders can use the IBA-drafted model locker agreement, which should comply with the updated instructions and Supreme Court's directives.
- The bank customers can get up to 100 times the bank charges if the valuables stored in the vaults are robbed or destroyed due to fire or building collapse.
- It is mandatory for banks to install CCTV to monitor the locker rooms. Apart from this, the RBI has also asked the banks to keep the data of CCTV for 180 days. This will help in checking if any discrepancy occurs.
- To protect customers from banking fraud, the RBI directed that the respective banks should send SMS and e-mails every time a customer accesses his locker. This alert will protect customers from fraud.
- The banks can now demand a term deposit at the time of allocation of a locker that would be taken as the rent for three years. However, for the existing locker holders, banks cannot insist on such Term Deposits or from those who have satisfactory operative accounts.

S40. Ans.(c)
Sol. According to the **India Justice Report (IJR) 2022,** which assesses the performance of states in terms of justice delivery, the state of **Karnataka** has achieved the top rank among the 18 large and mid-sized states with populations over one crore.
Details:
- The report considers several parameters such as **police, judiciary, prisons, and legal aid** to assess the overall performance of each state.
- The state of **Tamil Nadu** has secured the **second position** in the rankings, while **Telangana** has secured the **third position.**
- The State of **Gujarat** has got **the fourth position** and **Andhra Pradesh** is at slot **five** as per the report.

S41. Ans.(e)
Sol. All the options are correct.

S42. Ans.(a)
Sol. As per the operational guidelines, the auction will be conducted on CBS (e-Kuber) platform and the minimum bid amount for the auction would be Rs 1 crore and multiples thereof for conducting VRRR Auction.
Additional Information-
- The Reserve Bank uses the variable rate reverse repo rate (VRRR) auctions of longer maturity to balance out surplus liquidity in the system.
- Banks would be required to place their bids in %age terms up to 2 decimal places. Banks can place multiple bids.
- Successful bids will get accepted at their respective bid rates.
- Bids at or above the repo rate will be rejected.
- Successful bidders would be those who have placed their bids at or below the cutoff rate. All bids higher than the cut-off rate would be rejected.

S43. Ans.(e)
Sol. Through it, users can file an appeal with the GACs within a period of 30 days from the date of receipt of communication from the intermediary's Grievance Officer.
Additional Info-
Ministry of Electronics & Information Technology has launched Grievance Appellate Committee (GAC) portal.
About GAC
- **Objective:** To ensure a Safe & Trusted and Accountable Internet for Indian users.
- It has been established under Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules, 2021.
- It serves as an appellate body, with mandate to look into users' complaints regarding unsatisfactory grievance redressal by social media intermediaries.

About GAC Portal
- It is a faceless dispute resolution mechanism that makes digital platforms - big and small, accountable to users (DigitalNagriks).
- Through it, users can file an appeal with the GACs within a period of 30 days from the date of receipt of communication from the intermediary's Grievance Officer.
- GAC will subsequently endeavour to address the user's appeal within a period of 30 days.

S44. Ans.(e)
Sol. Duration of the fellowship: 3 years.
Additional Info-
- Ministry of Science and Technology has launched VAIBHAV Fellowship for Indian Diaspora abroad on the occasion of National Science Day (observed on 28 February).
- To bring Indian-origin researchers to higher educational institutions (HEIs) in the country.
- **Objective**: To improve research ecosystem of India's HEIs by facilitating academic and research collaborations with best institutions in the world.
- **Duration of the fellowship**: 3 years.
  - It offers researcher opportunity to work for minimum of 1 month to a maximum of 2 months a year with a research institution or an academic institution in India.
- **Financial Incentive**: Up to Rs.37 lakhs for the entire period
- **Eligibility**
  - Must be Non-Resident Indian/Persons of Indian Origin or Overseas Citizen of India Researcher.
  - Must has obtained Ph.D/M.D/M.S degree from a recognized university/institution featuring in the top 500 QS World University Rankings.
  - Must be a researcher engaged in an overseas academic/research/industrial organization with a proven track record of research & development.

S45. Ans.(e)
Sol. All (i), (ii) & (iii) are correct.
Additional Info-
- GSM Association (GSMA) has conferred Government Leadership Award 2023 to India for implementing best practices in telecom policy and regulation.
- India was declared winner in the ceremony held at Mobile World Congress Barcelona, Spain.
About GSMA
- It is an industry organization that represents the interests of mobile network operators worldwide.
- It represents more than 750 mobile operators and 400 companies in the telecom ecosystem.
- **Established:** 1995.
- **Headquarters:** London, United Kingdom.

- Mobile World Congress is organized by GSMA and is the largest annual exhibition and conference dedicated to the mobile industry.
- During this congress, GSMA recognizes one country for leadership award every year.

S46. Ans.(b)
Sol. Any Indian resident can participate in it and transfer up to $250,000 abroad in a financial year.
Additional Info-
- RBI has released the "Outward Remittances under the Liberalised Remittance Scheme (LRS) for Resident Individuals" for November 2022.
- Liberalised Remittance Scheme (LRS) of RBI allows Indians to transfer money to NRIs abroad. It was launched in 2004.
- The scheme streamlined overseas payments and was made available for all resident individuals in India.
- LRS allows parents to transfer money to their children studying abroad. Any Indian resident can participate in it and transfer up to $250,000 abroad in a financial year.

S47. Ans.(a)
Sol. Kerala's Wayanad becomes 1st district in the country to provide basic documents to all tribal people.
Additional Info-
- Kerala's Wayanad becomes the first district in the country to provide basic documents and facilities such as Aadhaar cards, ration cards, birth/death certificates, election ID cards, bank accounts, and health insurance to all tribal people.
- The Wayanad district administration has attained the creditable achievement by providing 1,42,563 services to as many as 64,670 tribal beneficiaries as part of the Akshaya Big Campaign for Document Digitisation (ABCD) campaign.
About Kerala:
- Governor: Arif Mohammad Khan
- Chief Minister: Pinarayi Vijayan
- Capital: Thiruvananthapuram
- Airport: Kannur International Airport, Cochin International Airport, Calicut International Airport
- Ramsar Sites: Vembanad, Ashtamudi & Sasthamkotta Lakes
- National Park: Silent Valley National Park, Eravikulam National Park

S48. Ans.(d)
Sol. To enhance the insurance force in India, the Insurance Regulatory and Development Authority of India (IRDAI) will soon introduce "Bima Vahaks" in each gram panchayat.

S49. Ans.(e)
Sol. India's largest private general insurer, Bajaj Allianz General Insurance, released a unique health insurance rider called "Respect Senior Care Rider."

S50. Ans.(d)
Sol. NTPC has signed an MoU with Tecnimont Private Limited, Indian Subsidiary of Maire Tecnimont Group, Italy. Objective of MOU is to jointly evaluate and explore the possibility to develop commercial scale Green Methanol Production facility at NTPC project in India.

S51. Ans.(c)
Sol. The Human Development report is released by the United Nations Development Programme (UNDP). It ranks countries based on Gross National Income (GNI), Life expectancy at birth and education among the adult population and expected years if schooling for children. India has been positioned at 131 out of 189 countries and territories, according to Human Development Index report 2020.

S52. Ans.(c)
Sol. Dante Akira Uwai is from **Brazil.**
Details:
- **Brazilian** artist **Dante Akira Uwai** has won the **Winter Youth Olympic Games Gangwon 2024 medal design competition.**
- After six weeks and over 3,000 submissions to the International Olympic Committee competition, Akira Uwai's creation – **'A Sparkling Future'** – was chosen by a panel of judges.

S53. Ans.(e)
Sol. All (i), (ii) & (iii) are correct.
Additional Information-
1. The RIDF was set up by the Government in 1995-96 for financing ongoing rural Infrastructure projects.
2. The Fund is maintained by the National Bank for Agriculture and Rural Development (NABARD).
3. **Main Objective:** To provide loans to State Governments and State-owned corporations to enable them to complete ongoing rural infrastructure projects.
4. **Repayment period:** Loan to be repaid in equal annual instalments within seven years from the date of withdrawal, including a grace period of two years.

S54. Ans.(b)
Sol. Full form of B30 is Beyond 30.
Additional Information-
1. SEBI is planning to discontinue the B30 incentive and allow a onetime fee for distributors bringing new investors, irrespective of the location.
2. SEBI will scrap an incentive it allows fund houses for mobilizing assets from smaller centers — these are called Beyond 30 (B30) in industry parlance.

3. Any city or town that does not fall into the so-called T30 category, or the top 30 centers in terms of assets under management (AUM), is part of B30.

4. The B-30 incentive was introduced in 2018 to boost the penetration of MFs in smaller cities.

5. SEBI will allow a one-time fee for distributors bringing new investors, irrespective of the location.

6. However, the one-time fee will form part of the TER. This could leave fund houses with little room to pay extra incentives to distributors.

Reason- The regulator's planned move is due to concerns about the misuse of the current framework by distributors to generate higher income.

As the B30 incentive is paid only in the first year of investment, certain distributors allegedly resort to shifting investors' money from one fund to another every year to continue receiving the incentive.

S55. Ans.(a)
Sol. The National Stock Exchange (NSE) has received the capital market regulator's nod to launch social stock exchanges (SSEs) as a new segment.
Additional Information-

1. This approval means that the bourse can now launch the new platform and sign-up relevant entities for listing.

2. The Social Stock Exchange segment will provide new avenue for social enterprises to finance social initiatives, provide them visibility and bring in increased transparency in fund mobilization and utilization by social enterprises

3. SSEs are a fundraising platform specifically created for social enterprises so that they can tap into broader sources of donations. The process of listing for SSEs works akin to normal initial public offerings (IPOs).

S56. Ans.(c)
Sol. Indian Coast Guard Region (North East) conducted the 4th edition of Table top exercise under the aegis of Colombo Security Conclave in Kolkata, West Bengal.
Additional Information-

1. To discuss topics pertaining to challenges in maritime domain such as tackling threats from anti-national elements, marine pollution response, search & rescue and damage control at sea.

2. Apart from the India, representatives of member nations of Colombo Security Conclave - Sri Lanka, Maldives and Mauritius – along with observer countries - Bangladesh and Seychelles - are participating in the exercise.

About Colombo Security Conclave
1. Objective: To make maritime security, marine pollution response and maritime search & rescue priorities for the region.

2. It was formed in 2011 as a trilateral maritime security grouping of India, Sri Lanka and the Maldives.

3. Its roadmap of activities was later expanded, with Mauritius joining as the fourth member.

4. Bangladesh & Seychelles participate in it as observer countries.

5. It underlines regional cooperation and shared security objectives concerning all littoral nations in the Indian Ocean Region (IOR).

S57. Ans.(e)
Sol. Ministry of Statistics & Programme Implementation has released 24th issue of publication titled "Women and Men in India 2022".
Additional Information-

1. It is a comprehensive document that provides data on a wide range of topics such as education, health, employment, and political participation, among others.

2. It presents data disaggregated by gender, urban-rural divide, and geographical region, which helps to understand disparities existing between different groups of women and men.

S58. Ans.(e)
Sol. Tamil Nadu is NOT covered under this project.
Additional Information-

1. Ministry of Road Transport & Highways and World Bank have signed an agreement for the construction of Green National Highway Corridors Project (GNHCP).

2. Objective: To demonstrate safe and green highway keeping in view climate resilience and use of green technologies.

3. Total aggregate length GNHCP: 781 km.

4. States covered: Himachal Pradesh, Rajasthan, Uttar Pradesh and Andhra Pradesh.

5. Total project cost: US $ 1288.24 million (Rs. 7,662.47 crore).
▪ World Bank Loan assistance: US $ 500 million.

6. It will incorporate green technologies in road construction for conservation of natural resources

7. This will enhance the ability of Ministry of Road Transport & Highways to bring green technologies into the mainstream.

S59. Ans.(e)
Sol. India's first solid waste-to-hydrogen plant was set up in Pune at a cost of over Rs 430 crore.
Additional Info-
The plant will be set up by sustainability solutions provider The GreenBillions Ltd (TGBL) and Pune Municipal Corporation (PMC).

National Hydrogen Mission –
Mission will build capabilities to produce at least 5 Million Metric Tonne (MMT) of Green Hydrogen per annum by 2030, with potential to reach 10 MMT per annum with growth of export markets.

S60. Ans.(d)
Sol. The two-day Global Tech Summit (GTS) is organized at Visakhapatnam, Andhra Pradesh's new capital.
Additional Info-
- Nearly 1,000 delegates from more than 25 countries participated.
- During the Summit, FICCI would hold a session on 'Digital Bharath' for creating a new India driven by technology, innovation, and entrepreneurship.

S61. Ans.(c)
Sol. The 3rd ASEAN Digital Ministers (ADGMIN) meeting with India was held recently on a virtual platform.
Additional Info-
- To have fruitful and productive discussions on strengthening India ASEAN relations in the field of Information and Communication Technologies.
- **Theme**: "Synergy Towards a Sustainable Digital Future".

India-ASEAN Digital Work Plan 2023
- It includes the capacity building and knowledge sharing in emerging areas in the field of Information and Communication Technologies such as
- Artificial Intelligence in Cyber Security
- Application of IoT & AI in Next Generation Smart City & Society 5.0
- Sustainable Data and Transport Network for Future: Standards and Applications.
- 5G technologies for IoT and future trends.
- Role of ICT in implementation of Digital Health.

S62. Ans.(a)
Sol. Ministry of Tribal Affairs will be organising Aadi Mahotsav – National Tribal Festival at Major Dhyan Chand National Stadium, New Delhi.
Additional Info-
- To provide direct market access to the tribal mastercraftsmen and women in large metros and State capitals.
- **Theme**: "A Celebration of the Spirit of Tribal Crafts, Culture, Cuisine and Commerce".
- Nodal Agency: Tribal Co-operative Marketing Federation of India.
- Participation: More than 1000 tribal artisans and artists from 28 States/UTs will be participating in the festival.
- Tribal Freedom Fighters Gallery will be set up to showcase stories of Tribal Freedom fighters.

S63. Ans.(c)
Sol. Only (iii) is Incorrect.
About HaRBInger 2023
- Innovative, easy-to-use, digital banking services for differently abled (Divyaang).
- RegTech solutions to facilitate more efficient compliance by Regulated Entities (REs).
- Exploring use cases/solutions for CBDC-Retail transactions, including transactions in offline mode.

- Increasing Transactions Per Second (TPS)/ throughput and scalability of block chains.
- Being part of HARBINGER 2023 gives an opportunity to the participants to get mentored by industry experts and exhibit their innovative solutions before an eminent jury and win exciting prizes in each category.
  - Winner: ₹40 lakh
  - Runner-up: ₹20 lakh
- A hackathon is an event organized to bring together people and entities for the development of innovative solutions for the existing challenges in specified area through problem statements.
- It is a Competitive event where the participants submit ideas, create solutions, exhibit the prototypes, and the solutions are judged by a panel to arrive at the winner/s of the hackathon.

S64. Ans.(b)
Sol. As per RBI rules, the eligibility criteria for a firm applying for PA authorization is a minimum net worth of Rs 15 crore in the first year of application and going up to Rs 25 crore by the end of third financial year.
Additional Info-
- The RBI has granted "in-principle approval" to 32 entities to function as online payment aggregators.
- Those that were granted approval include Bill-desk, Amazon, Google, Reliance, Razorpay, PineLabs, Cashfree, Infibeam, Zomato Payments, Open, and Stripe.
- Among the 18 applications still under process include those of Cred, Instamojo, PhonePe, Zaak Epayment (Mobikwik), and LivQuik.
- Entities who applications have been returned can apply to the RBI within 120 days from the date of return.
- Till such time these entities cannot onboard new merchants.
- **Payment Aggregator:** Entities that facilitate e-commerce sites and merchants to accept various payment instruments from the customers for completion of their payment obligations.
- No need for merchants to create a separate payment integration system of their own.
- PAs facilitate merchants to connect with acquirers.
- In the process, they receive payments from customers, pool and transfer them on to the merchants after a time period. PGs are entities that provide technology infrastructure to route and facilitate processing of an online payment transaction without any involvement in handling of funds.
- The firms authorised to operate as payment aggregators in India will come under the direct purview of the RBI.
- As per RBI rules, the eligibility criteria for a firm applying for PA authorisation is a minimum net worth of Rs 15 crore in the first year of application and going up to Rs 25 crore by the end of third financial year.
- The firm also must fulfil 'fit and proper' criteria as well as be compliant with global payment security standards under PCIDSS.

S65. Ans.(e)
Sol. All (i), (ii) & (iii) are correct.
Additional Info-
- It shows Systemic record of economic transactions between residents and non-residents of a country for a period of one year.
- It Indicates that A country has a surplus or a deficit on trade.
- **Current Account**: It shows export and import of visible and invisibles (also called non-merchandise).
- **Capital Account:** It shows a capital expenditure and income for a country.
- It gives a summary of the net flow of both private and public investment into an economy.

S66. Ans.(e)
Sol. Magh Bihu or Bhogali Bihu Festival is celebrated in Assam.
Important Details-
- Magh Bihu is a festival of farmers.
- It is celebrated in the month of 'Magha' in the middle of January.
- After the annual harvest, it is celebrated with community feasts.
- The main attraction of this festival is food.
- The night before 'Bhogali Bihu' which falls on 15th January is called 'Uruka' which means the night of feasts.
The Sun God is worshipped on this day.

S67. Ans.(a)
Sol. The 5th edition of Youth Co:Lab, Asia Pacific's largest youth innovation movement was jointly launched by Atal Innovation Mission (AIM), NITI Aayog and UNDP.
Additional Information-
- Youth Co:Lab is an initiative launched in 2019 by UNDP India in partnership with Atal Innovation Mission, NITI Aayog and aims to establish a common agenda for Asia-Pacific countries to invest in and empower youth to accelerate implementation of the Sustainable Development Goals (SDGs) through leadership, social innovation, and entrepreneurship.
- The fifth edition of Youth Co:Lab India will focus on identifying and supporting youth-led early-stage social enterprises or innovations working in the domains of: 1) Digital and Financial Literacy for Youth, 2) Gender Equality and Women Economic Empowerment, 3) Developing FinTech solutions focused on Biodiversity Conservation, 4) Promoting Biodiversity-friendly Lifestyles through Technological solutions in Finance, 5) Accelerating Circular Economy through Upcycling Innovations and 6) Behavioral Nudges for LiFE (Lifestyle For Environment).

S68. Ans.(e)
Sol. 'Goa Liberation Day' is celebrated on December 19 to commemorate the state's liberation from Portuguese rule in 1961.
Additional Information-
- As part of Operation Vijay, the Indian armed forces used the armed forces trifecta with the help of local resistance movements to eradicate European rule from the country.
- The Indian government finally declared that Goa should join India "either with full peace or with full use of force". December 18 and 19, 1961 saw a full-fledged military operation termed 'Operation Vijay', which was carried out with little resistance and an instrument of surrender was signed, leading to Goa's annexation by India.

S69. Ans.(e)
Sol. Navi Technologies Ltd which sells financial products like personal loans, home loans, and general insurance etc., has appointed Mahendra Singh Dhoni as its brand ambassador.

S70. Ans.(d)
Sol. India and Sweden hosted the LeadIT Summit, on the sidelines of COP27 at Sharm El Sheikh in Egypt. The Leadership for Industry Transition- LeadIT initiative focuses on low carbon transition of the hard to abate industrial sector.
What is the COP?
The COP is the supreme decision-making body of the Convention. All States that are Parties to the Convention are represented at the COP, at which they review the implementation of the Convention and any other legal instruments that the COP adopts and take decisions necessary to promote the effective implementation of the Convention, including institutional and administrative arrangements.
COP Facts-
- The COP meets every year, unless the Parties decide otherwise.
- The first COP meeting was held in Berlin, Germany in March, 1995.
- The COP Presidency rotates among the five recognized UN regions - that is, Africa, Asia, Latin America and the Caribbean, Central and Eastern Europe and Western Europe and Others – there is a tendency for the venue of the COP to also shift among these groups.

Location	Session	Conference
Sharm el-Sheikh, Egypt	COP 27	Sharm el-Sheikh Climate Change Conference - November 2022
Glasgow, United Kingdom of Great Britain and Northern Ireland	COP 26	Glasgow Climate Change Conference – October–November 2021
Madrid, Spain	COP 25	UN Climate Change Conference - December 2019
Katowice, Poland	COP 24	Katowice Climate Change Conference – December 2018

S71. Ans.(c)
Sol. This campaign envisions to recognize youth between the ages of 18 to 23 years to become message bearers of sustainable lifestyles.
About COP 27-
India and Sweden hosted the LeadIT Summit, on the sidelines of COP27 at Sharm El Sheikh in Egypt. The Leadership for Industry Transition- LeadIT initiative focuses on low carbon transition of the hard to abate industrial sector.

S72. Ans.(b)
Sol. The awards were presented at the Global Communication Conclave organised by Public Relations Council of India (PRCI) in Kolkata.
Additional Information-
- NMDC won Gold awards for Most Resilient Company of the Year; Internal Communication Campaign, Corporate Brochure; Best PSE Implementing CSR.
- It won Silver Awards in the categories of Best Use of CSR for Childcare; Corporate Community Impact; Best Corporate Event; Unique HR Initiatives; Annual Report; Arts, Culture & Sports Campaign
- It also won Bronze Awards for Visionary Leadership; Website of the Year; Innovative Environmental Program and Consolation Award for Best Use of Social Media.

S73. Ans.(e)
Sol. Skyroot Aerospace is a startup based in **Hyderabad.**
Details:
- Skyroot Aerospace, a startup based **in Hyderabad**, India, has successfully test-fired an advanced, fully **3D-printed cryogenic engine**, marking a significant milestone in the country's indigenous space technology development.
- The **engine, named Dhruvastra**, was designed and manufactured by **Skyroot Aerospace** entirely in-house, using advanced metal 3D printing techniques.

S74. Ans.(b)
Sol. Barron's prestigious annual **'100 Most Influential Women in US Finance'** list includes **five** Indian-origin women executives who have attained prominent positions in the financial services industry and have played a role in shaping its future.
Details:
- These women are **Anu Aiyengar** from J.P. Morgan, **Rupal J. Bhansali** from Ariel Investments, **Sonal Desai** from Franklin Templeton, **Meena Flynn** from Goldman Sachs, and **Savita Subramanian** from Bank of America.

S75. Ans.(c)
Sol. This year marks the **75th** anniversary of the World Health Organisation.
Details:
- Every year on **April 7th**, World Health Day is celebrated to bring global attention to a specific health issue that impacts people worldwide.

- This day is also significant as it coincides with the founding day of the World Health Organisation (WHO) **in 1948.**
- The World Health Day 2023 has adopted the theme **"Health For All".**

S76. Ans.(d)
Sol. The European Commission (EC) has awarded protected geographical indication (PGI) status to Kangra tea, a unique variety of tea grown in the Kangra district of India's Himachal Pradesh.
Details:
- The PGI will be effective from April 11, 2023, as per the notification issued by the EC on March 22.
- The tag will help Kangra Tea to get an opportunity to enter the European market.

S77. Ans.(b)
Sol. Raktsey Karpo Apricot of **Ladakh** got the GI tag recently.
Details:
- According to data shared by the GI Registry, Kerala has secured the highest number of Geographical Indication (GI) tags for products among all states in India in FY23.
- Several products from Kerala, including **Attappady Aattukombu Avara** (beans), **Attappady Thuvara** (red gram), **Onattukara Ellu** (sesame), **Kanthaloor Vattavada Veluthuli** (garlic), and **Kodungallur Pottuvellari** (snap melon) have been recognized with the GI tag.
- In addition to the six products from Kerala, the Geographical Indication (GI) Registry selected **Mithila Makhana (aquatic fox nut) from Bihar** and **Alibag white onion from Maharashtra** for the GI recognition tag.
- **Tandur Redgram from Telangana,** the local variety of pea, Ladakh **Raktsey Karpo Apricot from Ladakh**, and **Gamosa handicrafts from Assam** were also selected for the honour.

S78. Ans.(b)
Sol. M A Hasan is the author of the book "War and Women".
Details:
- The book highlights the suffering of Bengali women who were victims of sexual violence perpetrated by the Pakistan Army during the 1971 war.
- The event was organized by the Bangladesh Freedom Fighters Sansad in Europe, and it was considered a significant moment for raising awareness about the issue.

S79. Ans.(d)
Sol. The Reserve Bank of India (RBI) has released data showing that India's current account deficit, an important measure of the balance of payments, has decreased to $18.2 billion, which is equivalent to 2.2% of the GDP, during the December quarter of the current fiscal year.
Details:
- This decrease can be attributed to the reduction in the merchandise trade deficit, which stood at $30.9 billion, or 3.7% of the GDP in the second quarter of the fiscal year 2022-23.

S80. Ans.(d)
Sol. In March 2023, the railway network in the state of Haryana in India was completely electrified by Indian Railways, making it the first state in the country to achieve 100% electrification of its railway network.
Details:
- The existing Broad Gauge network of Haryana is 1,701 Route kilometers, which is now 100% electrified, resulting in saving on account of reduced line haul cost (about 2.5 times lower), heavier haulage capacity, increased sectional capacity, reduced operating & maintenance cost of the electric loco, energy-efficient and eco-friendly mode of transportation with reduced dependence on imported crude oil, saving of foreign exchange.

S81. Ans.(c)
Sol. The logic followed here is in each step,
Words are arranged in alphabetical order from the left and by interchanging its first and last letter and from the right side numbers are arranged in descending order, 1 is added to the odd numbers and 1 is subtracted from the even number.
Input: star 84 trek 69 into 49 darkness 54 bright 32
Step I: trighb star trek 69 into 49 darkness 54 32 83
Step II: sarknesd trighb star trek into 49 54 32 83 70
Step III: onti sarknesd trighb star trek 49 32 83 70 53
Step IV: rtas onti sarknesd trighb trek 32 83 70 53 50
Step V: kret rtas onti sarknesd trighb 83 70 53 50 31

S82. Ans.(b)
Sol. The logic followed here is in each step,
Words are arranged in alphabetical order from the left and by interchanging its first and last letter and from the right side numbers are arranged in descending order, 1 is added to the odd numbers and 1 is subtracted from the even number.
Input: star 84 trek 69 into 49 darkness 54 bright 32
Step I: trighb star trek 69 into 49 darkness 54 32 83
Step II: sarknesd trighb star trek into 49 54 32 83 70
Step III: onti sarknesd trighb star trek 49 32 83 70 53
Step IV: rtas onti sarknesd trighb trek 32 83 70 53 50
Step V: kret rtas onti sarknesd trighb 83 70 53 50 31

S83. Ans.(d)
Sol. The logic followed here is in each step,
Words are arranged in alphabetical order from the left and by interchanging its first and last letter and from the right side numbers are arranged in descending order, 1 is added to the odd numbers and 1 is subtracted from the even number.
Input: star 84 trek 69 into 49 darkness 54 bright 32
Step I: trighb star trek 69 into 49 darkness 54 32 83
Step II: sarknesd trighb star trek into 49 54 32 83 70
Step III: onti sarknesd trighb star trek 49 32 83 70 53
Step IV: rtas onti sarknesd trighb trek 32 83 70 53 50
Step V: kret rtas onti sarknesd trighb 83 70 53 50 31

S84. Ans.(c)
Sol. The logic followed here is in each step,
Words are arranged in alphabetical order from the left and by interchanging its first and last letter and from the right side numbers are arranged in descending order, 1 is added to the odd numbers and 1 is subtracted from the even number.
Input: star 84 trek 69 into 49 darkness 54 bright 32
Step I: trighb star trek 69 into 49 darkness 54 32 83
Step II: sarknesd trighb star trek into 49 54 32 83 70
Step III: onti sarknesd trighb star trek 49 32 83 70 53
Step IV: rtas onti sarknesd trighb trek 32 83 70 53 50
Step V: kret rtas onti sarknesd trighb 83 70 53 50 31

S85. Ans.(c)
Sol. From the given statements, the one whose height is 169cm sits third to the right of W. Two persons sit between the one whose height is 169cm and T. We have two possible cases case1 and case 2.
Q doesn't sit at any corner of the table but he sits second to the left of U, whose height is 155cm. The one whose height is 175cm is an immediate neighbor of T but he doesn't face the one whose height is 169cm. R and S are immediate neighbors of Q. Here we get 2 possible cases i.e. Case 1 and Case 2.

W is shorter than P. R height is more than 170cm. V sits second to the right of P, who is an immediate neighbor of the tallest persons. The one who is tallest sits opposite to the one who is shortest. P sits at one of the corner side of the table. Here Case 1 is ruled out now. So, the final arrangement is-
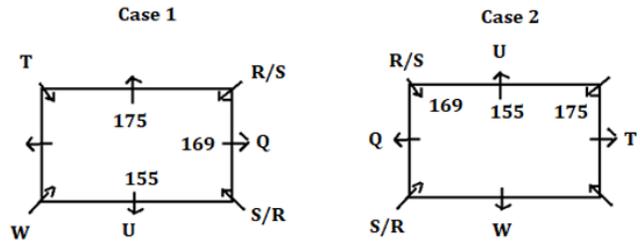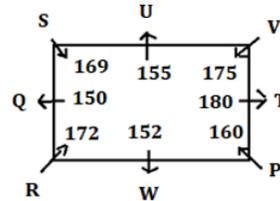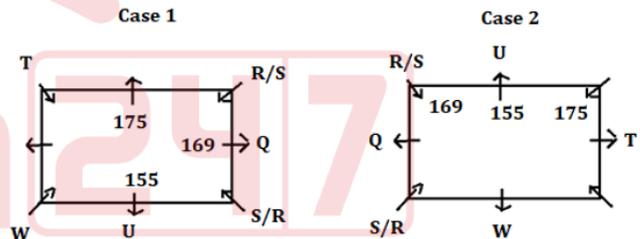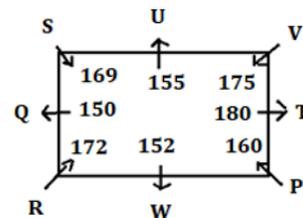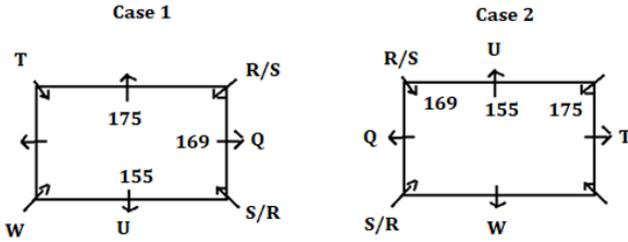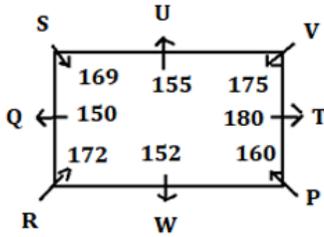

S86. Ans.(a)
Sol. From the given statements, the one whose height is 169cm sits third to the right of W. Two persons sit between the one whose height is 169cm and T. We have two possible cases case1 and case 2.

Q doesn't sit at any corner of the table but he sits second to the left of U, whose height is 155cm. The one whose height is 175cm is an immediate neighbor of T but he doesn't face the one whose height is 169cm. R and S are immediate neighbors of Q. Here we get 2 possible cases i.e. Case 1 and Case 2.

W is shorter than P. R height is more than 170cm. V sits second to the right of P, who is an immediate neighbor of the tallest persons. The one who is tallest sits opposite to the one who is shortest. P sits at one of the corner side of the table. Here Case 1 is ruled out now. So, the final arrangement is-

S87. Ans.(c)
Sol.
From the given statements, the one whose height is 169cm sits third to the right of W. Two persons sit between the one whose height is 169cm and T. We have two possible cases case1 and case 2.

Q doesn't sit at any corner of the table but he sits second to the left of U, whose height is 155cm. The one whose height is 175cm is an immediate neighbor of T but he doesn't face the one whose height is 169cm. R and S are immediate neighbors of Q. Here we get 2 possible cases i.e. Case 1 and Case 2.

W is shorter than P. R height is more than 170cm. V sits second to the right of P, who is an immediate neighbor of the tallest persons. The one who is tallest sits opposite to the one who is shortest. P sits at one of the corner side of the table. Here Case 1 is ruled out now. So, the final arrangement is-

S88. Ans.(d)
Sol. From the given statements, the one whose height is 169cm sits third to the right of W. Two persons sit between the one whose height is 169cm and T. We have two possible cases case1 and case 2.

Q doesn't sit at any corner of the table but he sits second to the left of U, whose height is 155cm. The one whose height is 175cm is an immediate neighbor of T but he doesn't face the one whose height is 169cm. R and S are immediate neighbors of Q. Here we get 2 possible cases i.e. Case 1 and Case 2.

W is shorter than P. R height is more than 170cm. V sits second to the right of P, who is an immediate neighbor of the tallest persons. The one who is tallest sits opposite to the one who is shortest. P sits at one of the corner side of the table. Here Case 1 is ruled out now. So, the final arrangement is-

S89. Ans.(d)
Sol. From the given statements, the one whose height is 169cm sits third to the right of W. Two persons sit between the one whose height is 169cm and T. We have two possible cases case1 and case 2.

Q doesn't sit at any corner of the table but he sits second to the left of U, whose height is 155cm. The one whose height is 175cm is an immediate neighbor of T but he doesn't face the one whose height is 169cm. R and S are immediate neighbors of Q. Here we get 2 possible cases i.e. Case 1 and Case 2.

Case 1   Case 2

W is shorter than P. R height is more than 170cm. V sits second to the right of P, who is an immediate neighbor of the tallest persons. The one who is tallest sits opposite to the one who is shortest. P sits at one of the corner side of the table. Here Case 1 is ruled out now. So, the final arrangement is-

S90. Ans.(a)

Sol.

Words	Codes
ganga	pix
is	ti
sacred	lu
river	ko
better	mr
yamuna	ql
flowing	tu
good	mn/pr
best	pr/mn

S91. Ans.(e)

Sol.

Words	Codes
ganga	pix
is	ti
sacred	lu
river	ko
better	mr
yamuna	ql
flowing	tu
good	mn/pr
best	pr/mn

S92. Ans.(b)

Sol.

Words	Codes
ganga	pix
is	ti
sacred	lu
river	ko
better	mr
yamuna	ql
flowing	tu
good	mn/pr
best	pr/mn

S93. Ans.(c)

Sol. By using given information:

Four persons sit between A, who faces north and the one who likes Grapes. Two persons sit between the one who likes Grapes and the one who likes Mangoes. Only three persons sit to the left of the one who likes Mangoes. The one who likes Mangoes doesn't sit to the right of the one who likes Grapes and also doesn't sit near to the one who likes Apple. The one who likes Apple sits immediate right of A.

We have three possible cases for that Case1, Case2 and Case3.

Case1

Case2

Case3

T sits third to the right of Q who sits immediate right of the one who likes Apple. Now, case3 will be eliminated as we can't place T and Q. No one sits to the left of T.

Case1

Case2

The number of persons sitting between T and the one who like Apple is the same as the persons sitting between Q and the one who likes Litchi. A doesn't like Litchi.
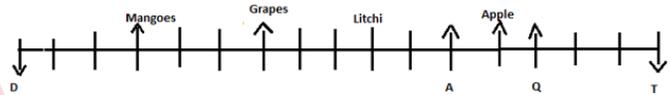
Case1

Case2

The number of persons sitting between the one who like Litchi and the one who like Mangoes is the same as the persons sitting between the one who likes Grapes and D. D doesn't like Apple. No one sit to the right of D. Now case1 will be eliminated as we can't place D. Now we have our final arrangements.
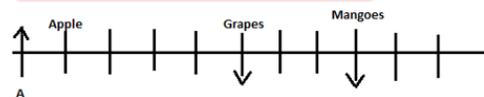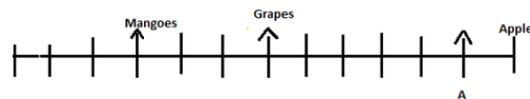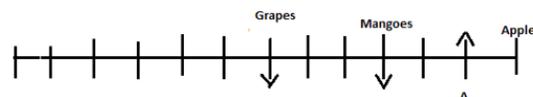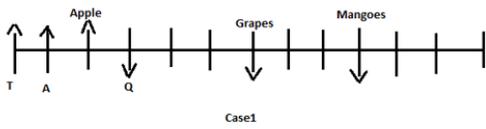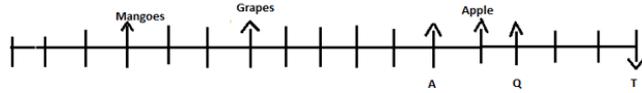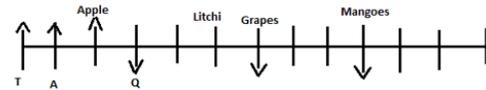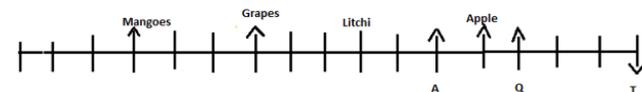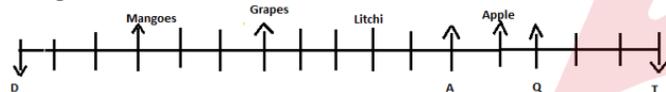

S94. Ans.(b)
Sol. By using given information:
Four persons sit between A, who faces north and the one who likes Grapes. Two persons sit between the one who likes Grapes and the one who likes Mangoes. Only three persons sit to the left of the one who likes Mangoes. The one who likes Mangoes doesn't sit to the right of the one who likes Grapes and also doesn't sit near to the one who likes Apple. The one who likes Apple sits immediate right of A.
We have three possible cases for that Case1, Case2 and Case3.

Case1

Case2

Case3

T sits third to the right of Q who sits immediate right of the one who likes Apple. Now, case3 will be eliminated as we can't place T and Q. No one sits to the left of T.

Case1

Case2

The number of persons sitting between T and the one who like Apple is the same as the persons sitting between Q and the one who likes Litchi. A doesn't like Litchi.

Case1

Case2

The number of persons sitting between the one who like Litchi and the one who like Mangoes is the same as the persons sitting between the one who likes Grapes and D. D doesn't like Apple. No one sit to the right of D. Now case1 will be eliminated as we can't place D. Now we have our final arrangements.
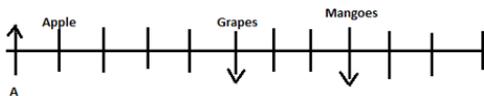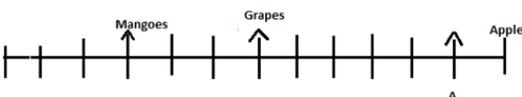

S95. Ans.(c)
Sol.
By using given information:
Four persons sit between A, who faces north and the one who likes Grapes. Two persons sit between the one who likes Grapes and the one who likes Mangoes. Only three persons sit to the left of the one who likes Mangoes. The one who likes Mangoes doesn't sit to the right of the one who likes Grapes and also doesn't sit near to the one who likes Apple. The one who likes Apple sits immediate right of A.
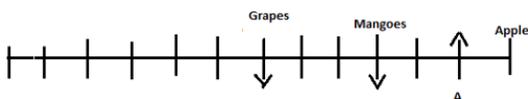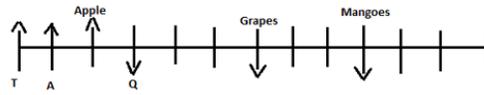We have three possible cases for that Case1, Case2 and Case3.
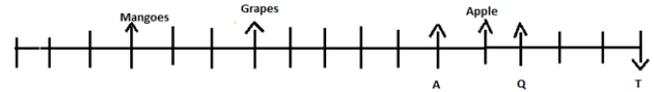

Case1

Case2

Case3

T sits third to the right of Q who sits immediate right of the one who likes Apple. Now, case3 will be eliminated as we can't place T and Q. No one sits to the left of T.
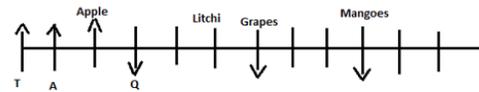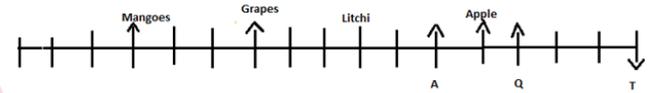
Case1

Case2

The number of persons sitting between T and the one who like Apple is the same as the persons sitting between Q and the one who likes Litchi. A doesn't like Litchi.
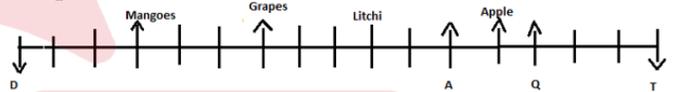

Case1

Case2

The number of persons sitting between the one who like Litchi and the one who like Mangoes is the same as the persons sitting between the one who likes Grapes and D. D doesn't like Apple. No one sit to the right of D. Now case1 will be eliminated as we can't place D. Now we have our final arrangements.

S96. Ans.(e)

Sol. By using given information:

Four persons sit between A, who faces north and the one who likes Grapes. Two persons sit between the one who likes Grapes and the one who likes Mangoes. Only three persons sit to the left of the one who likes Mangoes. The one who likes Mangoes doesn't sit to the right of the one who likes Grapes and also doesn't sit near to the one who likes Apple. The one who likes Apple sits immediate right of A.

We have three possible cases for that Case1, Case2 and Case3.

Case1

Case2

Case3

T sits third to the right of Q who sits immediate right of the one who likes Apple. Now, case3 will be eliminated as we can't place T and Q. No one sits to the left of T.

Case1

Case2

The number of persons sitting between T and the one who like Apple is the same as the persons sitting between Q and the one who likes Litchi. A doesn't like Litchi.

Case1

Case2

The number of persons sitting between the one who like Litchi and the one who like Mangoes is the same as the persons sitting between the one who likes Grapes and D. D doesn't like Apple. No one sit to the right of D. Now case1 will be eliminated as we can't place D. Now we have our final arrangements.
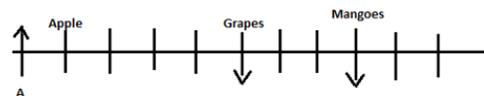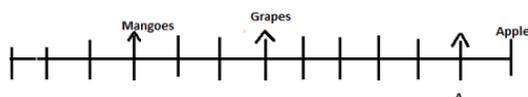

S97. Ans.(c)

Sol. By using given information:

Four persons sit between A, who faces north and the one who likes Grapes. Two persons sit between the one who likes Grapes and the one who likes Mangoes. Only three persons sit to the left of the one who likes Mangoes. The one who likes Mangoes doesn't sit to the right of the one who likes Grapes and also doesn't sit near to the one who likes Apple. The one who likes Apple sits immediate right of A.
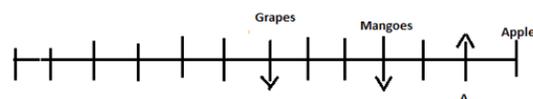
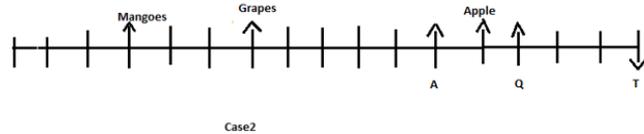We have three possible cases for that Case1, Case2 and Case3.
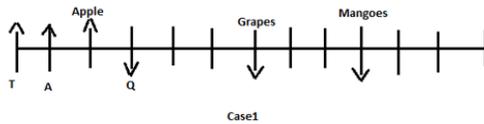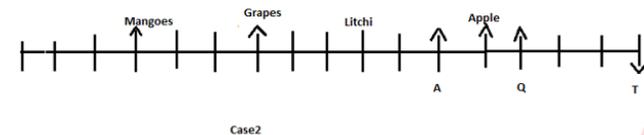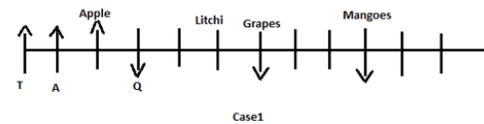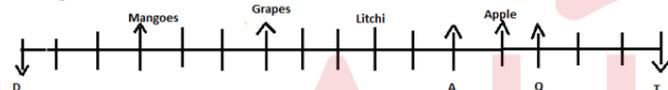

Case1

Case2

Case3

T sits third to the right of Q who sits immediate right of the one who likes Apple. Now, case3 will be eliminated as we can't place T and Q. No one sits to the left of T.

Case1

Case2

The number of persons sitting between T and the one who like Apple is the same as the persons sitting between Q and the one who likes Litchi. A doesn't like Litchi.

Case1

Case2

The number of persons sitting between the one who like Litchi and the one who like Mangoes is the same as the persons sitting between the one who likes Grapes and D. D doesn't like Apple. No one sit to the right of D. Now case1 will be eliminated as we can't place D. Now we have our final arrangements.

S98. Ans.(e)
Sol.
Z 7 U @ 6 D £ 5 ¥ G 8 $ K # 3 E 2 R & % 1 P 9 B µ ^ A 4 H
Step I: Z 7 U @ D £ 5 ¥ G 8 $ K # E 2 R & % P 9 B µ ^ A 4 H 1 3 6
Step II: Z 7 U @ D £ 5 ¥ 8 G $ K # 2 E R & % P 9 B µ ^ 4 A H 1 6 3
Step III: Z 7 U @ £ 5 D K P ¥ 8 G $ # 2 E R & % 9 B µ ^ 4 A H 1 6 3
Step IV: 2 E R & % 9 B µ ^ 4 A H 1 6 3 # $ G 8 ¥ P K D 5 £ @ U 7 Z

6th (right) + 9th (left end) = 15th from left end in Step 3 is - 2.

S99. Ans.(d)
Sol.
Z 7 U @ 6 D £ 5 ¥ G 8 $ K # 3 E 2 R & % 1 P 9 B µ ^ A 4 H
Step I: Z 7 U @ D £ 5 ¥ G 8 $ K # E 2 R & % P 9 B µ ^ A 4 H 1 3 6
Step II: Z 7 U @ D £ 5 ¥ 8 G $ K # 2 E R & % P 9 B µ ^ 4 A H 1 6 3
Step III: Z 7 U @ £ 5 D K P ¥ 8 G $ # 2 E R & % 9 B µ ^ 4 A H 1 6 3
Step IV: 2 E R & % 9 B µ ^ 4 A H 1 6 3 # $ G 8 ¥ P K D 5 £ @ U 7 Z

Step II: Z 7 U @ D £ 5 ¥ 8 G $ K # 2 E R & % P 9 B µ ^ 4 A H 1 6 3
New formed step: Z 7 U @ D £ 5 ¥ 8 G $ K # 2 F R & % P 9 B µ ^ 4 B H 1 6 3

S100. Ans.(d)
Sol.
Z 7 U @ 6 D £ 5 ¥ G 8 $ K # 3 E 2 R & % 1 P 9 B µ ^ A 4 H
Step I: Z 7 U @ D £ 5 ¥ G 8 $ K # E 2 R & % P 9 B µ ^ A 4 H 1 3 6
Step II: Z 7 U @ D £ 5 ¥ 8 G $ K # 2 E R & % P 9 B µ ^ 4 A H 1 6 3
Step III: Z 7 U @ £ 5 D K P ¥ 8 G $ # 2 E R & % 9 B µ ^ 4 A H 1 6 3
Step IV: 2 E R & % 9 B µ ^ 4 A H 1 6 3 # $ G 8 ¥ P K D 5 £ @ U 7 Z

Step I: Z 7 U @ D £ 5 ¥ G 8 $ K # E 2 R & % P 9 B µ ^ A 4 H 1 3 6
After removed symbols - Z 7 U D 5 G 8 K E 2 R P 9 B A 4 H 1 3 6

S101. Ans.(c)
Sol.
Z 7 U @ 6 D £ 5 ¥ G 8 $ K # 3 E 2 R & % 1 P 9 B µ ^ A 4 H
Step I: Z 7 U @ D £ 5 ¥ G 8 $ K # E 2 R & % P 9 B µ ^ A 4 H 1 3 6
Step II: Z 7 U @ D £ 5 ¥ 8 G $ K # 2 E R & % P 9 B µ ^ 4 A H 1 6 3
Step III: Z 7 U @ £ 5 D K P ¥ 8 G $ # 2 E R & % 9 B µ ^ 4 A H 1 6 3
Step IV: 2 E R & % 9 B µ ^ 4 A H 1 6 3 # $ G 8 ¥ P K D 5 £ @ U 7 Z

Step IV: 2 E R & % 9 B µ ^ 4 A H 1 6 3 # $ G 8 ¥ P K D 5 £ @ U 7 Z

S102. Ans.(d)
Sol. Bhuvneshwar Kumar, who is the main bowler of India got injured while playing. And India won world-cup due to its brilliant performance So both statement I and statement II are effects of Independent causes.

S103. Ans.(d)
Sol. As the fallen of demand may have lead to decrease prices of flour in the market so it is an effect and as the demand is high so the government imported the wheat flour so it is an effect of some cause. So statement II and statement I are effects of independent causes.

S104. Ans.(e)
Sol. It is given that S was born on 3rd march and one person was born between S and P thus from here we get two cases i.e. case 1 and case 2. Q was born on even date and the month which has even number of days. V was born after Q and before T.

	Case 1		Case 2	
Month/Date	3	6	Month/Date	3	6
January	P		January		
March	S		March	S	
April		Q	April	P	Q
July	V	T	July	V	T

No one was born between U and W but they were born on different months. Thus case 2 get eliminated and we have case 1. W was not born on an even number date. Thus, our final arrangement is –

Month/Date	3	6
January	P	R
March	S	U
April	W	Q
July	V	T

S105. Ans.(e)
Sol. It is given that S was born on 3rd march and one person was born between S and P thus from here we get two cases i.e. case 1 and case 2. Q was born on even date and the month which has even number of days. V was born after Q and before T.

	Case 1		Case 2	
Month/Date	3	6	Month/Date	3	6
January	P		January		
March	S		March	S	
April		Q	April	P	Q
July	V	T	July	V	T

No one was born between U and W but they were born on different months. Thus case 2 get eliminated and we have case 1. W was not born on an even number date. Thus, our final arrangement is –

Month/Date	3	6
January	P	R
March	S	U
April	W	Q
July	V	T

S106. Ans.(d)
Sol. It is given that S was born on 3rd march and one person was born between S and P thus from here we get two cases i.e. case 1 and case 2. Q was born on even date and the month which has even number of days. V was born after Q and before T.

Case 1			Case 2		
Month/Date	3	6	Month/Date	3	6
January	P		January		
March	S		March	S	
April		Q	April	P	Q
July	V	T	July	V	T

No one was born between U and W but they were born on different months. Thus case 2 get eliminated and we have case 1. W was not born on an even number date. Thus, our final arrangement is –

Month/Date	3	6
January	P	R
March	S	U
April	W	Q
July	V	T

S107. Ans.(a)
Sol. It is given that S was born on 3rd march and one person was born between S and P thus from here we get two cases i.e. case 1 and case 2. Q was born on even date and the month which has even number of days. V was born after Q and before T.

Case 1			Case 2		
Month/Date	3	6	Month/Date	3	6
January	P		January		
March	S		March	S	
April		Q	April	P	Q
July	V	T	July	V	T

No one was born between U and W but they were born on different months. Thus case 2 get eliminated and we have case 1. W was not born on an even number date. Thus, our final arrangement is –

Month/Date	3	6
January	P	R
March	S	U
April	W	Q
July	V	T

S108. Ans.(d)
Sol. It is given that S was born on 3rd march and one person was born between S and P thus from here we get two cases i.e. case 1 and case 2. Q was born on even date and the month which has even number of days. V was born after Q and before T.

Case 1			Case 2		
Month/Date	3	6	Month/Date	3	6
January	P		January		
March	S		March	S	
April		Q	April	P	Q
July	V	T	July	V	T

No one was born between U and W but they were born on different months. Thus case 2 get eliminated and we have case 1. W was not born on an even number date. Thus, our final arrangement is –

Month/Date	3	6
January	P	R
March	S	U
April	W	Q
July	V	T

S109. Ans.(d)
Sol. First, we decode the operations:

1st Number	2nd number	Operations
Even	Even	1st + 2nd
Even	Odd	2nd – 1st
Odd	Odd	1st x 2nd
Odd	Even	1st ÷ 2nd
Even	Even perfect square	1st + 2nd

Operations:
In first row:
64 is an even number and 8 is an even number so condition I will apply, so the resultant 64 + 8 will be 72.
72 is an even number and 34 is an even number so condition I will apply, so the resultant will be 72+34 will be 106.
106 is an even number and 16 is an even perfect square number so condition V will apply, so the resultant 106 + 16 will be 122.
The resultant of first row is 122.
In second row:
23 is an odd number and 9 is an odd number so condition III will apply, so the resultant 23 x 9 will be 207.
207 is an odd number and 3 is an odd number so condition III will apply, so the resultant 207 x 3 will be 621.
The resultant of second row is 621.
Now result of the addition of the resultant of 1st row and 2nd row will be (122+ 621) = 743.

S110. Ans.(a)
Sol. First, we decode the operations:

1st Number	2nd number	Operations
Even	Even	1st + 2nd
Even	Odd	2nd – 1st
Odd	Odd	1st x 2nd
Odd	Even	1st ÷ 2nd
Even	Even perfect square	1st + 2nd

Operations:

In first row:

8 is an even number and 99 is an odd number so condition II will apply, so the resultant 99 - 8 will be 91.

91 is an odd number and 3 is an odd number so condition III will apply, so the resultant will be 91 x 3 will be 273.

273 is an odd number and 6 is an even number so condition IV will apply, so the resultant 273 ÷ 6 will be 45.5.

The resultant of first row is 45.5

In second row:

22 is an even number and 8 is an even perfect square number so condition V will apply, so the resultant 22 + 8 will be 30.

30 is an even number and 33 is an odd number so condition II will apply, so the resultant 33 - 30 will be 3.

3 is an odd number and 9 is an odd number so condition III will apply, so the resultant 3 x 9 will be 27.

The resultant of first row is 27.

Now result of the subtraction of the resultant of 1st row and 2nd row will be (45.5- 27) = 18.5 and then multiplied by 2 so the answer is 37.

S111. Ans.(c)

Sol. First, we decode the operations:

1st Number	2nd number	Operations
Even	Even	1st + 2nd
Even	Odd	2nd – 1st
Odd	Odd	1st x 2nd
Odd	Even	1st ÷ 2nd
Even	Even perfect square	1st + 2nd

In first row:

16 is an even number and 63 is an odd number so condition II will apply, so the resultant 63 – 16 will be 47.

47 is an odd number and 5 is an odd number so condition III will apply, so the resultant will be 47 x 5 will be 235.

The resultant of first row is 235.

In second row:

24 is an even number and 16 is an even perfect square number so condition V will apply, so the resultant 24 + 16 will be 40.

40 is an even number and 45 is an odd number so condition II will apply, so the resultant 45 - 40 will be 5.

The resultant of second row is 5.

Now result of the division of the resultant of 1st row and 2nd row will be (235 ÷ 5) = 47.

S112. Ans.(c)

Sol. First, we decode the operations:

1st Number	2nd number	Operations
Even	Even	1st + 2nd
Even	Odd	2nd – 1st
Odd	Odd	1st x 2nd
Odd	Even	1st ÷ 2nd
Even	Even perfect square	1st + 2nd

In first row:

18 is an even number and 36 is an even perfect square number so condition V will apply, so the resultant 18 + 36 will be 54.

54 is an even number and 71 is an odd number so condition II will apply, so the resultant will be 71 - 54 will be 17.

17 is an odd number and 5 is an odd number so condition III will apply, so the resultant 17 x 5 will be 85.

The resultant of first row is 85.

In second row:

20 is an even number and 25 is an odd number so condition II will apply, so the resultant 25 - 20 will be 5.
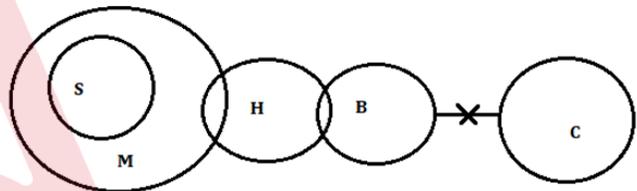
As per rule, 31 must come in the place of question mark to complete the row.
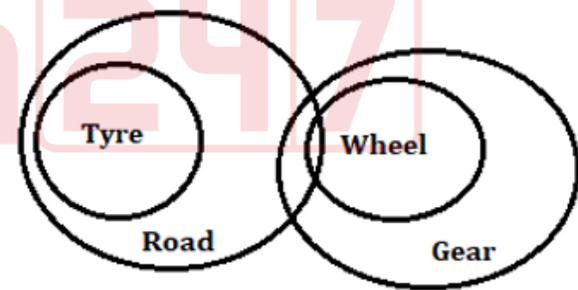
The resultant of second row is 155.

Now result of the addition of both numbers that will come in the place of question marks will e (85 + 31) = 116.
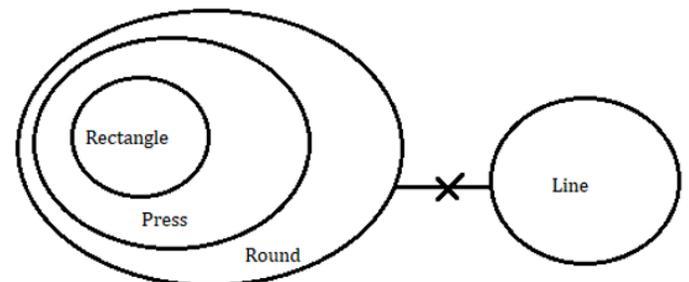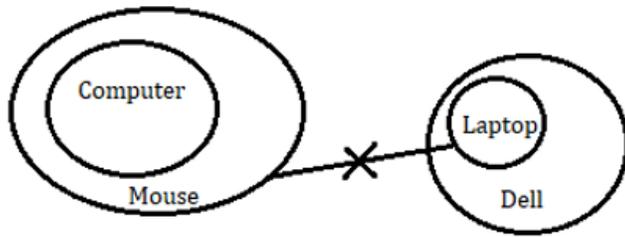
S113. Ans.(b)
Sol.

S114. Ans.(a)
Sol.

S115. Ans.(b)
Sol.

S116. Ans.(e)
Sol.

S117. Ans.(d)
Sol. By using the given information:
Only three racks are in between the Box which contains Cakes and one of the vacant racks. There are three racks between both the vacant racks and neither of them is kept at the top nor at the bottom. Three boxes are kept between the Box which contains Floos and the Box which contains Spices. Box which contains Floor is kept just above or just below the Box which contains Cakes. We have two possible cases for that. Case1 and Case2.

Case1	Case2
Boxes	**Boxes**
	Cakes
Vacant	Floor
Spices	
	Vacant
Vacant	
	Spices
Floors	Vacant
Cakes	

The number of boxes kept above the Box which contains Spices is same as below the Box which contains Biscuits. The Box which contains Sweets is not kept at the top but it is kept one of the places above the Box of Spices, we have one more case. Case2(a).

Case1	Case2	Case2(a)
Boxes	**Boxes**	**Boxes**
	Cakes	Cakes
Vacant	Floor	Floor
Sweets	Biscuits	Biscuits
Spices	Sweets	
	Vacant	Vacant
Vacant		Sweets
	Spices	Spices
Biscuits		
Floor	Vacant	Vacant
Cakes		

The number of racks between the Box of Cakes and the Box of Sweets is same as the number of Boxes kept between Box of Rice and Box of Toffees. Now Case1 and Case2(a) will be eliminated as we can't place the Box of Rice and the Box of Toffees. The Box of Toffee is not kept below the Box of Pulses. Now we have our final arrangements.

Boxes
Cakes
Floor
Biscuits
Sweets
Vacant
Toffee
Spices
Pulses
Vacant
Rice

S118. Ans.(b)
Sol. By using the given information:
Only three racks are in between the Box which contains Cakes and one of the vacant racks. There are three racks between both the vacant racks and neither of them is kept at the top nor at the bottom. Three boxes are kept between the Box which contains Floos and the Box which contains Spices. Box which contains Floor is kept just above or just below the Box which contains Cakes. We have two possible cases for that. Case1 and Case2.

Case1	Case2
Boxes	**Boxes**
	Cakes
Vacant	Floor
Spices	
	Vacant
Vacant	
	Spices
Floors	Vacant
Cakes	

The number of boxes kept above the Box which contains Spices is same as below the Box which contains Biscuits. The Box which contains Sweets is not kept at the top but it is kept one of the places above the Box of Spices, we have one more case. Case2(a).

Case1	Case2	Case2(a)
Boxes	**Boxes**	**Boxes**
	Cakes	Cakes
Vacant	Floor	Floor
Sweets	Biscuits	Biscuits
Spices	Sweets	
	Vacant	Vacant
Vacant		Sweets
	Spices	Spices
Biscuits		
Floor	Vacant	Vacant
Cakes		

The number of racks between the Box of Cakes and the Box of Sweets is same as the number of Boxes kept between Box of Rice and Box of Toffees. Now Case1 and Case2(a) will be eliminated as we can't place the Box of Rice and the Box of Toffees. The Box of Toffee is not kept below the Box of Pulses. Now we have our final arrangements.

Boxes
Cakes
Floor
Biscuits
Sweets
Vacant
Toffee
Spices
Pulses
Vacant
Rice

S119. Ans.(d)
Sol. By using the given information:
Only three racks are in between the Box which contains Cakes and one of the vacant racks. There are three racks between both the vacant racks and neither of them is kept at the top nor at the bottom. Three boxes are kept between the Box which contains Floos and the Box which contains Spices. Box which contains Floor is kept just above or just below the Box which contains Cakes. We have two possible cases for that. Case1 and Case2.

Case1	Case2
Boxes	Boxes
	Cakes
Vacant	Floor
Spices	
	Vacant
Vacant	
	Spices
Floors	Vacant
Cakes	

The number of boxes kept above the Box which contains Spices is same as below the Box which contains Biscuits. The Box which contains Sweets is not kept at the top but it is kept one of the places above the Box of Spices, we have one more case. Case2(a).

Case1	Case2	Case2(a)
Boxes	Boxes	Boxes
	Cakes	Cakes
Vacant	Floor	Floor
Sweets	Biscuits	Biscuits
Spices	Sweets	
	Vacant	Vacant
Vacant		Sweets
	Spices	Spices
Biscuits		
Floor	Vacant	Vacant
Cakes		

The number of racks between the Box of Cakes and the Box of Sweets is same as the number of Boxes kept between Box of Rice and Box of Toffees. Now Case1 and Case2(a) will be eliminated as we can't place the Box of Rice and the Box of Toffees. The Box of Toffee is not kept below the Box of Pulses. Now we have our final arrangements.

Boxes
Cakes
Floor
Biscuits
Sweets
Vacant
Toffee
Spices
Pulses
Vacant
Rice

S120. Ans.(c)
Sol. By using the given information:
Only three racks are in between the Box which contains Cakes and one of the vacant racks. There are three racks between both the vacant racks and neither of them is kept at the top nor at the bottom. Three boxes are kept between the Box which contains Floos and the Box which contains Spices. Box which contains Floor is kept just above or just below the Box which contains Cakes. We have two possible cases for that. Case1 and Case2.

Case1	Case2
Boxes	Boxes
	Cakes
Vacant	Floor
Spices	
	Vacant
Vacant	
	Spices
Floors	Vacant
Cakes	

The number of boxes kept above the Box which contains Spices is same as below the Box which contains Biscuits. The Box which contains Sweets is not kept at the top but it is kept one of the places above the Box of Spices, we have one more case. Case2(a).

Case1	Case2	Case2(a)
Boxes	Boxes	Boxes
	Cakes	Cakes
Vacant	Floor	Floor
Sweets	Biscuits	Biscuits
Spices	Sweets	
	Vacant	Vacant
Vacant		Sweets
	Spices	Spices
Biscuits		
Floor	Vacant	Vacant
Cakes		

The number of racks between the Box of Cakes and the Box of Sweets is same as the number of Boxes kept between Box of Rice and Box of Toffees. Now Case1 and Case2(a) will be eliminated as we can't place the Box of Rice and the Box of Toffees. The Box of Toffee is not kept below the Box of Pulses. Now we have our final arrangements.

Boxes
Cakes
Floor
Biscuits
Sweets
Vacant
Toffee
Spices
Pulses
Vacant
Rice

Boxes
Cakes
Floor
Biscuits
Sweets
Vacant
Toffee
Spices
Pulses
Vacant
Rice

S121. Ans.(e)
Sol. By using the given information:
Only three racks are in between the Box which contains Cakes and one of the vacant racks. There are three racks between both the vacant racks and neither of them is kept at the top nor at the bottom. Three boxes are kept between the Box which contains Floos and the Box which contains Spices. Box which contains Floor is kept just above or just below the Box which contains Cakes. We have two possible cases for that. Case1 and Case2.

Case1	Case2
Boxes	Boxes
	Cakes
Vacant	Floor
Spices	
	Vacant
Vacant	
	Spices
Floors	Vacant
Cakes	

The number of boxes kept above the Box which contains Spices is same as below the Box which contains Biscuits. The Box which contains Sweets is not kept at the top but it is kept one of the places above the Box of Spices, we have one more case. Case2(a).

Case1	Case2	Case2(a)
Boxes	Boxes	Boxes
	Cakes	Cakes
Vacant	Floor	Floor
Sweets	Biscuits	Biscuits
Spices	Sweets	
	Vacant	Vacant
Vacant		Sweets
	Spices	Spices
Biscuits		
Floor	Vacant	Vacant
Cakes		

The number of racks between the Box of Cakes and the Box of Sweets is same as the number of Boxes kept between Box of Rice and Box of Toffees. Now Case1 and Case2(a) will be eliminated as we can't place the Box of Rice and the Box of Toffees. The Box of Toffee is not kept below the Box of Pulses. Now we have our final arrangements.
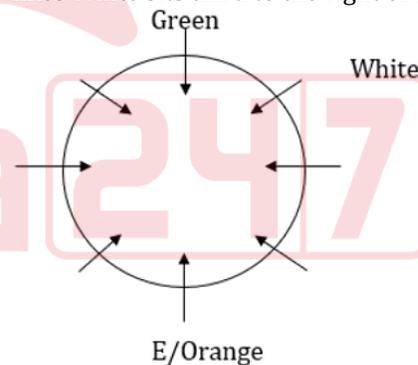
S122. Ans.(d)
Sol. We have to identify possible reason regarding context of the passage and reason which is mentioned in (I) and (III) is nowhere discuss in above passage. So Only II will be the possible reason of pilferage of money from Indian Banks.
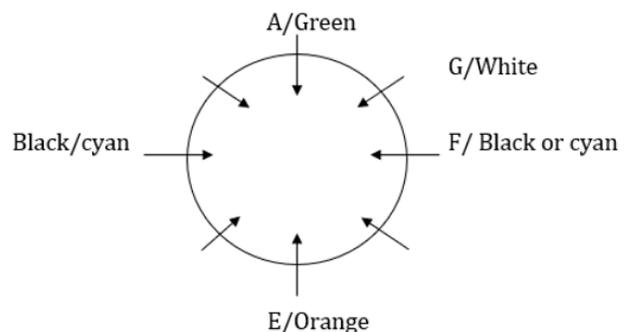
S123. Ans.(c)
Sol. As NPCI is investigating into the matter and trying to reveal preliminary findings and it is also mentioned that officials takes almost six months to acknowledge the incidents but information of Ministry of defense is nowhere mentioned in the above passage.
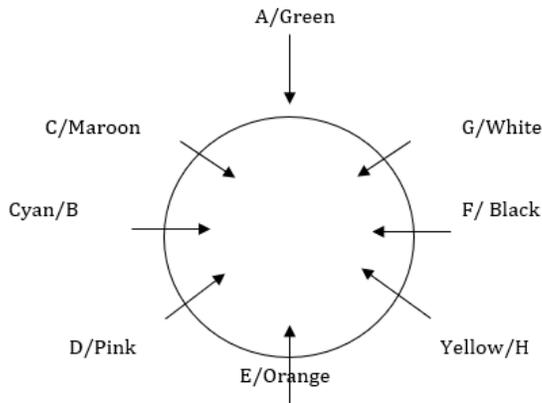
S124. Ans.(a)
Sol. All of them are facing inside the circle, the one who likes Green sits opposite to E, who likes orange and the one who likes White sits third to the right of the one who likes orange.

The one who likes Green sits second to the right of F and F likes either black or cyan. The one who likes Black sits opposite to the one who like cyan. G sits to the immediate left of A and F and A are immediate neighbours of G.
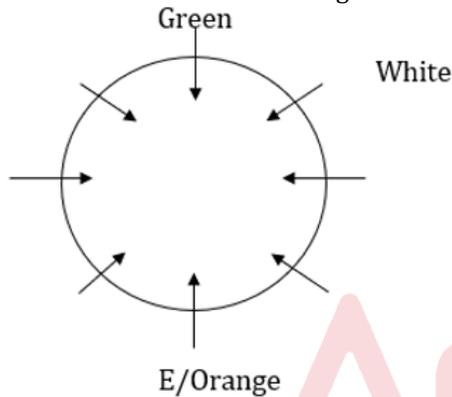
The one who likes black and the one who likes orange are the immediate neighbours of the one who likes yellow. H sits third to the right of B. D does not like maroon and yellow. One of the person likes pink. so, he will like only pink as that is the only colour left out.
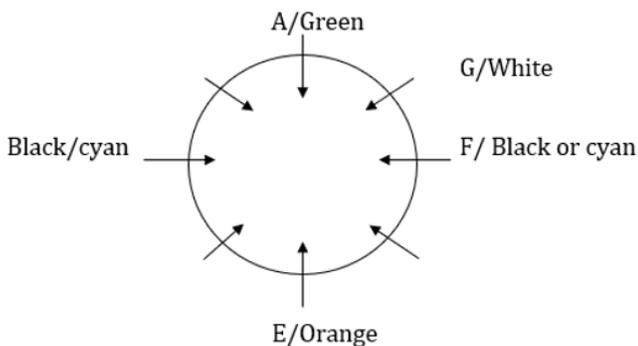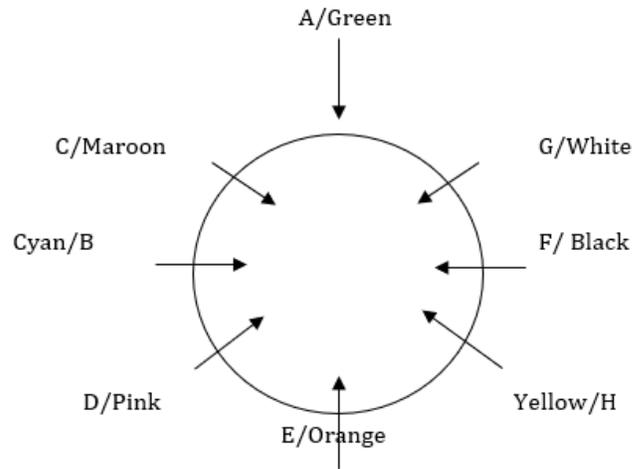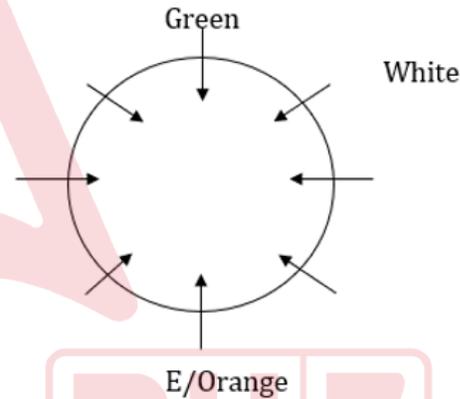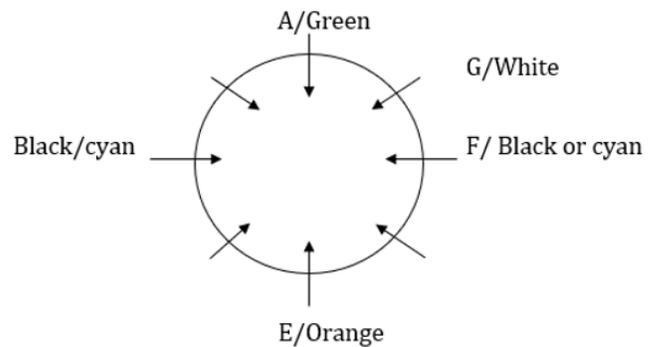

A/Green
C/Maroon   G/White
Cyan/B   F/ Black
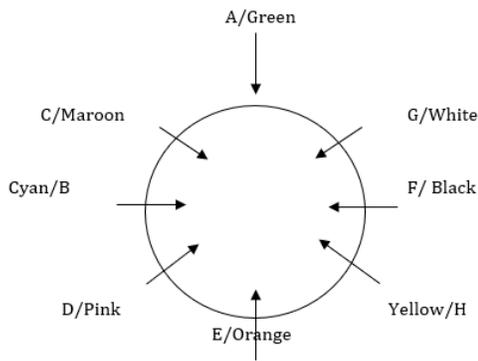D/Pink   Yellow/H
E/Orange

S125. Ans.(d)
Sol. All of them are facing inside the circle, the one who likes Green sits opposite to E, who likes orange and the one who likes White sits third to the right of the one who likes orange.

Green
White
E/Orange

The one who likes Green sits second to the right of F and F likes either black or cyan. The one who likes Black sits opposite to the one who like cyan. G sits to the immediate left of A and F and A are immediate neighbours of G.

A/Green
G/White
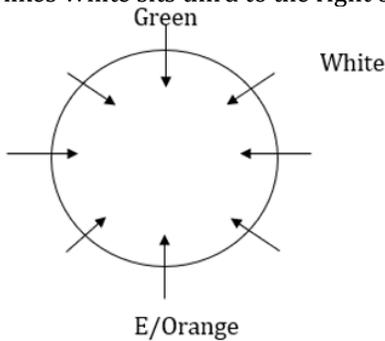Black/cyan   F/ Black or cyan
E/Orange

The one who likes black and the one who likes orange are the immediate neighbours of the one who likes yellow. H sits third to the right of B. D does not like maroon and yellow. One of the person likes pink. so, he will like only pink as that is the only colour left out.

A/Green
C/Maroon   G/White
Cyan/B   F/ Black
D/Pink   Yellow/H
E/Orange

S126. Ans.(d)
Sol. All of them are facing inside the circle, the one who likes Green sits opposite to E, who likes orange and the one who likes White sits third to the right of the one who likes orange.

Green
White
E/Orange

The one who likes Green sits second to the right of F and F likes either black or cyan. The one who likes Black sits opposite to the one who like cyan. G sits to the immediate left of A and F and A are immediate neighbours of G.

A/Green
G/White
Black/cyan   F/ Black or cyan
E/Orange

The one who likes black and the one who likes orange are the immediate neighbours of the one who likes yellow. H sits third to the right of B. D does not like maroon and yellow. One of the person likes pink. so, he will like only pink as that is the only colour left out.
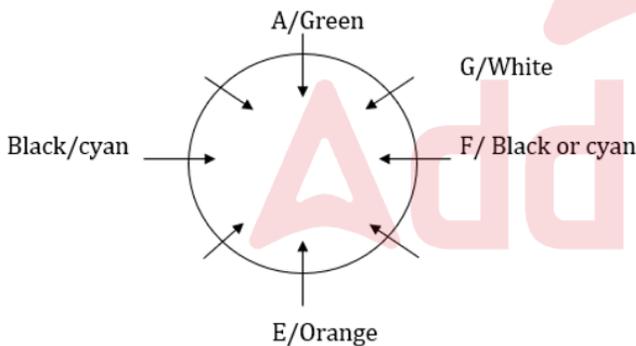
S127. Ans.(b)
Sol. All of them are facing inside the circle, the one who likes Green sits opposite to E, who likes orange and the one who likes White sits third to the right of the one who likes orange.

The one who likes Green sits second to the right of F and F likes either black or cyan. The one who likes Black sits opposite to the one who like cyan. G sits to the immediate left of A and F and A are immediate neighbours of G.
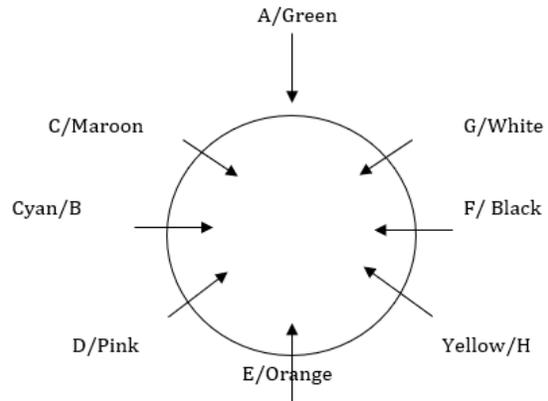

The one who likes black and the one who likes orange are the immediate neighbours of the one who likes yellow. H sits third to the right of B. D does not like maroon and yellow. One of the person likes pink. so, he will like only pink as that is the only colour left out.
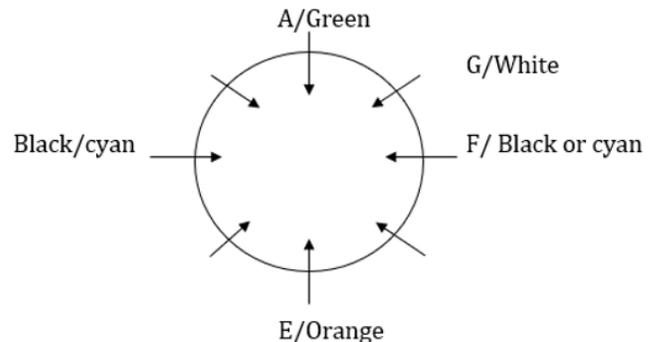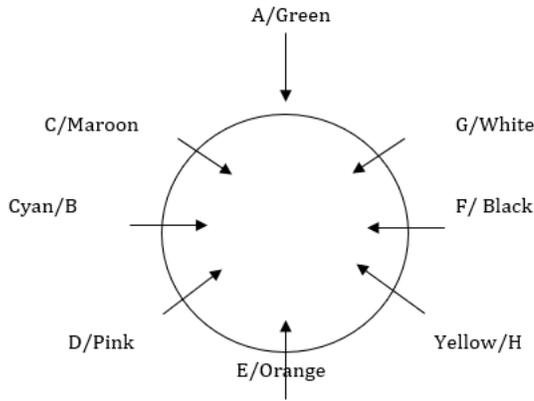

S128. Ans.(a)
Sol. All of them are facing inside the circle, the one who likes Green sits opposite to E, who likes orange and the one who likes White sits third to the right of the one who likes orange.

The one who likes Green sits second to the right of F and F likes either black or cyan. The one who likes Black sits opposite to the one who like cyan. G sits to the immediate left of A and F and A are immediate neighbours of G.

The one who likes black and the one who likes orange are the immediate neighbours of the one who likes yellow. H sits third to the right of B. D does not like maroon and yellow. One of the person likes pink. so, he will like only pink as that is the only colour left out.

Color wheel diagram:
- A/Green (top)
- C/Maroon (top-left)
- G/White (top-right)
- Cyan/B (left)
- F/ Black (right)
- D/Pink (bottom-left)
- Yellow/H (bottom-right)
- E/Orange (bottom)

S129. Ans.(d)
Sol.
I: P≤F (False)
II: I>R (False)

S130. Ans.(b)
Sol.
I: A>D (False)
II: Q>H (True)

S131. Ans.(e)
Sol.
I: X<E (True)
II: L≤E (True)

S132. Ans.(c)
Sol.
I: H>O (False)
II: H=O (False)
By Combining I & II we get H≥O, which is true.

S133. Ans.(c)
Sol.

| 234 | 562 | 876 | 235 | 987 |
| 234 | 256 | 678 | 235 | 789 |

Sum of the even numbers: 234+256+678=1168
Sum of the odd numbers: 235+789=1024
Difference: 1168-1024=144

S134. Ans.(d)
Sol.

A(-)
|
F(+) —— E(-)
|
D

S135. Ans.(c)
Sol.

(-)A ══ M(+)
|
(-)W —— F
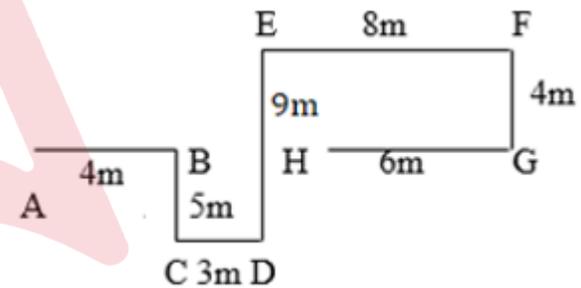|
E

S136. Ans.(e)
Sol.
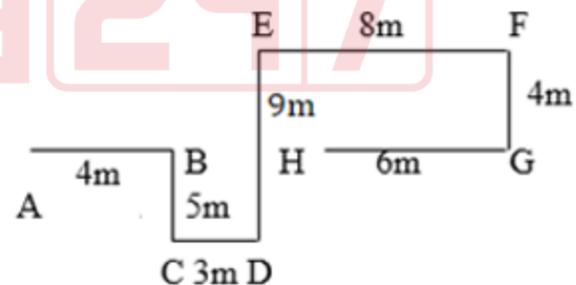
P(-) ══ M(+)
|
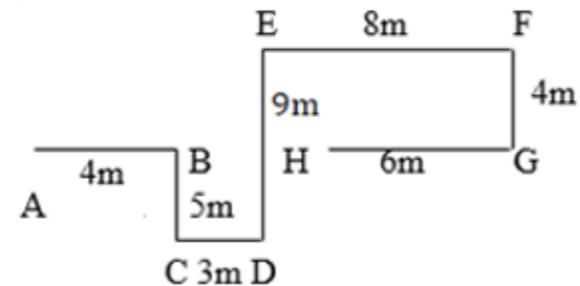N(+) —— D(-) —— F(-)
|
E

S137. Ans.(c)
Sol.

S138. Ans.(b)
Sol.

S139. Ans.(b)
Sol.

S140. Ans.(b)
Sol. Only 3 remain unchanged.
45369832671
12334566789

S141. Ans.(d)
Sol. The correct choice is option (d) which can be inferred from the first paragraph which mentions," Greater investment in care services can create an additional 300 million jobs globally, many of which will be for women. In turn this will help increase female labour force participation and advance Sustainable Development Goal (SDG) 8"

S142. Ans.(d)
Sol. The correct choice is option (d) which can be inferred from the second paragraph which mentions," This is 'particularly evident in care work — both paid and unpaid, which is crucial to the future of decent work. Care work encompasses direct activities such as feeding a baby or nursing an ill partner, and indirect care activities such as cooking and cleaning'. Whether paid or unpaid, direct or indirect, care work is vital for human well-being and economies."

S143. Ans.(d)
Sol. The correct choice is option (d) which can be inferred from the second paragraph which mentions," Paid care workers, such as domestic workers and anganwadis in India, also struggle to access rights and entitlements as workers."

S144. Ans.(b)
Sol. To validate the answer refer to the third paragraph which mentions," 'Care at work: Investing in care leave and services for a more gender-equal world of work'."

S145. Ans.(e)
Sol. To validate the answer refer to the third paragraph which mentions, "The ILO is the only tripartite UN agency, which brings together governments, employers, and workers of 187 member States, sets labour standards, develops policies and devises programmes promoting decent work for all women and men."

S146. Ans.(e)
Sol. To validate the answer refer to the last paragraph which mentions," The report highlights the importance of maternity, paternity, and special care leave, which help balance women's and men's work and family responsibilities throughout their lives. Furthermore, it demonstrates that workplaces that provide time, income security and space for undertaking care services such as breastfeeding, enable positive nutrition and health outcomes."

S147. Ans.(d)
Sol. Both statement (i) & (ii) are incorrect.
For (i), refer to the second paragraph which mentions," Since March 2020, the demand for care services has skyrocketed."
For (ii), refer to the second paragraph which mentions," Every year, March 8 is celebrated as International Women's Day."
For (iii), refer to the second paragraph which mentions, " The immense contribution of women to all spheres of life is often overlooked, unfairly valued, and hardly rewarded."

S148. Ans.(b)
Sol. The correct word for the given blank is 'commemorate' cessation means the fact or process of ending or being brought to an end.
commemorate means mark or celebrate (an event or person) by doing or producing something.
resurrect means restore (a dead person) to life.
bode means be a portent of a particular outcome.

S149. Ans.(c)
Sol. 'Foster' is a synonym of 'nurture'
Nurture means help or encourage the development of.
fray means unravel or become worn at the edge, typically through constant rubbing
gamut means the complete range or scope of something.
foster means encourage the development of (something, especially something desirable).
annex means add (territory) to one's own territory by appropriation.

S150. Ans.(b)
Sol. 'Acknowledged' is an antonym of 'flotsam'
acknowledged means accept or admit the existence or truth of.
attributed means regard something as being caused by.
flotsam means people or things that have been rejected or discarded as worthless.
tilt means a sloping position or movement.
lacuna means an unfilled space; a gap.

S151. Ans.(c)
Sol. The error lies in option (c). Here 'hurried' (adjective) should be replaced with 'hurriedly' (adverb) for verb 'done'.

S152. Ans.(a)
Sol. The error lies in option (a). Here 'give' should be in singular form and replaced with 'gives' because noun 'bundle of rights' is singular.

S153. Ans.(b)
Sol. The error lies in option (b). Here preposition 'of' should be replaced with 'for' because if someone makes a demand, then it's "their" demand, so you would use "**of**". If it is something being demanded, such as goods, then there is a demand "**for**" them

S154. Ans.(d)
Sol. The error lies in option (d). Here 'of' should be replaced with 'from' because 'abstain' usually followed by 'from' which means to hold oneself back voluntarily, especially from something regarded as improper or unhealthy.

S155. Ans.(c)
Sol. The error lies in option (c). Here 'continues' should be replaced with 'continue' because we use the base form (V1) of the verb after a modals.

S156. Ans.(d)
Sol. The correct rearrangement of the highlighted words is DBCA. Therefore the meaningful sentence will be "Over the last few **decades** in India, there has been a **massive** government **drive** to push for universal **enrolments**, extending to secondary as well as primary school children"

S157. Ans.(e)
Sol. The correct rearrangement of the highlighted words is BCAD. Therefore the meaningful sentence will be "The primary **objective** of Weapons of Mass Destruction (WMD) was to provide an **integrated** and overarching legislation on **prohibiting** unlawful **activities**."

S158. Ans.(a)
Sol. The correct rearrangement of the highlighted words is ADCB. Therefore the meaningful sentence will be "Although Budget 2022-23 seeks to lay a **foundation** and a blueprint to **steer** the economy over the (Amrit Kaal) next 25 years, it has **failed** to bring in any plan/ideas that makes the MSME sector **resilient**."

S159. Ans.(a)
Sol. The correct rearrangement of the highlighted words is DCBA. Therefore the meaningful sentence will be "The war in Ukraine has brought **unexpected** changes in the world as **global** powers seek to **recalibrate** their foreign **policies**"

S160. Ans.(b)
Sol. The correct rearrangement of the highlighted words is CBAD. Therefore the meaningful sentence will be "**Setting** a historic **milestone**, Ketanji Brown Jackson became the first Black woman to be **confirmed** to the U.S. Supreme Court by the **Senate**."

S161. Ans.(c)
Sol. The correct combinations of phrases to make meaningful sentences are (B)-(D) and (C)-(F). Therefore the sentences will be," The Nepal Parliament has been dysfunctional after cracks within the former Communist alliance developed" and "Macro-economic miseries have all wrecked Sri Lanka's plans for an economic recovery"

S162. Ans.(a)
Sol. The correct combinations of phrases to make meaningful sentences are (A)-(F) and (C)-(E). Therefore the sentences will be," The adoption of the Charter at BIMSTEC summit promises to re-energise the 25-year-old grouping at a time of growing global uncertainties" and "Canberra is keen on bolstering its ties with India was very clear when it ceremoniously returned 29 antiquities to India"

S163. Ans.(b)
Sol. The correct combinations of phrases to make meaningful sentences are (B)-(F). Therefore the sentence will be," Official industrial data shows output in the eight core sectors grew at the fastest pace in four months"

S164. Ans.(e)
Sol. None of the given combinations makes a meaningful sentence

S165. Ans.(b)
Sol. The correct combinations of phrases to make meaningful sentences are (B)-(F), (A)-(E) and (C)-(D). Therefore the sentence will be," Groundwater helps reduce the risk of water shortage and caters to the needs of arid regions"
" The Russian invasion of Ukraine has led to a flurry of diplomatic activity in New Delhi"
"Biological contamination has also been reported from different parts of the country"

S166. Ans.(b)
Sol. The most suitable idiom that should replace the word given in bold is "Once in a blue moon". '***Once in a blue moon'*** means very rarely and seldom means 'not often, rarely'. Therefore, all the other sentences with highlighted idioms fail to provide the precise meaning of the given word. Since, 'Once in a blue moon' can be used interchangeably with 'rarely'**,** *option (b)* becomes the most suitable answer choice.
Beating around the bush means to avoid giving a definite answer or position
Under the weather means feeling sick
Butterflies in the stomach means you are anxious and have a nervous feeling.

S167. Ans.(c)
Sol. The most suitable idiom that should replace the word given in bold is "Cost an arm and a leg". 'Cost an arm and a leg' means 'be extremely expensive' and 'exorbitant' means '(of a price or amount charged unreasonably high'. Therefore, all the other sentences with highlighted idioms fail to provide the precise meaning of the given word. Since, 'Cost an arm and a leg' can be used interchangeably with 'exorbitant'**,** *option (c)* becomes the most suitable answer choice.
See eye to eye means be in full agreement.
On the ball means indicating competence, alertness, or intelligence.
Tough cookie means a person who is physically and emotionally strong

S168. Ans.(b)
Sol. The most suitable idiom that should replace the word given in bold is "Eat a horse". 'Eat a horse' means 'very hungry' and 'famish' means 'be extremely hungry'. Therefore, all the other sentences with highlighted idioms fail to provide the precise meaning of the given word. Since 'eat a horse" can be used interchangeably with 'famish', *option (b)* becomes the most suitable answer choice.

Call a day means stop a particular activity for the rest of the day

A dime a dozen means very common and of no particular value.

A piece of cake means something easily done

S169. Ans.(d)
Sol. The most suitable idiom that should replace the word given in bold is "Hang in there". 'Hang in there' means 'remain persistent and determined in difficult circumstances' and 'Persistent' means 'be continuing firmly or obstinately in an opinion or course of action in spite of difficulty or opposition'. Therefore, all the other sentences with highlighted idioms fail to provide the precise meaning of the given word. Since 'hang in there" can be used interchangeably with 'persistent', *option (d)* becomes the most suitable answer choice

The last straw means the last in a series of bad things that happen to make someone very upset, angry, etc

Hit the sack means go to bed.

Rocket science means something very difficult to do or understand

S170. Ans.(a)
Sol. The most suitable idiom that should replace the word given in bold is "As right as rain". 'As right as rain' means 'feeling completely well or healthy, typically after an illness or minor accident' and 'Salubrious' means 'health-giving; healthy'. Therefore, all the other sentences with highlighted idioms fail to provide the precise meaning of the given word. Since 'as right as rain" can be used interchangeably with 'salubrious', *option (a)* becomes the most suitable answer choice.

Bite more than chew means take on more work or a bigger task than one can handl

at arm's length means avoiding intimacy or close contact.

change the tone means to change the way one talks about something

S171. Ans.(a)
Sol. Given, total number of boys in school A = X
And total number of girls in school A = Y
So, total number of boys in school B = (X + Y)
And total number of girls in school B = 2Y + 30
Required difference = (X + X + Y) – (Y + 2Y + 30)
= 2X – 2Y – 30

S172. Ans.(e)
Sol. Let total number of boys in school A = a
And total number of girls in school A = b
So, total number of boys in school B = (a + b)
And, total number of girls in school B = 2b + 30
ATQ –
2(a + b) – (a + b + 2b + 30) = 180
2a + 2b – a – b – 2b – 30 = 180
a – b = 210
So, difference between total students in school A and total girls in school B = 180

S173. Ans.(a)
Sol. Let total number of boys in school A = a
And total number of girls in school A = b
So, total number of boys in school B = (a + b)
And, total number of girls in school B = 2b + 30
ATQ –
2(a + b) – (a + b + 2b + 30) = 180
2a + 2b – a – b – 2b – 30 = 180
a – b = 210
Given, 2b + 30 = 450
2b = 420
b = 210
So, total number of boys in school A= (a) = 420
And, total number of boys in school B = (a + b) = (420 + 210) = 630

S174. Ans.(a)
Sol.

Milk	Water
70	30
	55
25	15
5	3

Initial quantity of water = $\frac{3}{8} \times 80 = 30$ litre.
Initial quantity of milk = $\frac{5}{8} \times 80 = 50$ litre.

S175. Ans.(b)
Sol.
Ways to select 4 balls out of 16 balls = 16_{c_4}
Ways to select one red ball = 5_{c_1}
Ways to select two black ball = 6_{c_2}
Ways to select one blue balls = 5_{c_1}
∴ Required probability
$$= \frac{5_{c_1} \times 6_{c_2} \times 5_{c_1}}{16_{c_4}}$$
$$= \frac{75}{364}$$

S176. Ans.(d)
Sol.

Let the amount Rajat have = 100
ATQ,
$$100 + \frac{20 \times 4 \times 6}{100} + \frac{30 \times 6 \times 12}{100} + \frac{50 \times 2 \times 15}{100} = 11,355$$
$151.4 = 11355$
$\Rightarrow 100 = 7500$
Required difference $= \frac{7500[30-20]}{100} =$
$= 750$

S177. Ans.(a)
Sol.

Let speed of boat in still water = x km/hr
And speed of current = y km/hr
ATQ,
$x - y + x + y = 72$
$2x = 72$
$x = 36$ km/hr
and $x - y = \frac{105}{3.5} = 30$ km/hr
$y = 6$ km/hr
Downstream = $x + y = 42$ km/hr
$x + y = \frac{126}{t}$
$t = \frac{126}{42} = 3$ hours.

S178. Ans.(a)
Sol.

Let breadth be 'b'
And, length be 'L'
ATQ -L = (b + 10)
$(L + 8)(b - 5) = Lb$
$(b + 18)(b - 5) = (b + 10)b$
$b = 30$ cm
$L = 40$ cm
Area = 1200 cm²

S179. Ans.(e)
Sol.

Let total voter of village C = x
And total voter of village D = y
$\frac{85}{100}x - \frac{85}{100}x \times \frac{80}{100} = 3740$
$\frac{17}{20}x\left(1 - \frac{4}{5}\right) = 3740$
$x = 22000$
$\frac{75}{100}y + \frac{75}{100}y \times \frac{5}{100}y = 9450$
$\frac{3}{4}y\left(1 + \frac{1}{20}\right) = 9450$
$y = 12000$
Required sum = 12000 + 22000 = 34000

S180. Ans.(b)
Sol.

Let total voters from village E = 70000x
And total voters from village B = 90000x
Voter polled in E = 66,500x
Invalid votes in E = 9975x
Invalid votes cast by females in village E
$= \frac{3}{7} \times 9975x = 4275x$
Votes polled in B = 900x × 90 = 81000 x
Invalid voters in B = 810x × 10 = 8100x
Males who cast invalid votes in B
$= \frac{3}{5} \times 8100\,x$
$= 4860\,x$
Required percentage
$= \frac{4275x}{4860x} \times 100$
$\approx 88\%$

S181. Ans.(c)
Sol.

Let total voters in A = 10000x
According to question
Total valid votes in A = 5200 x
$\frac{5}{100} \times 5200x = 390$
$260x = 390$
$x = \frac{3}{2}$
total voters = 15000

S182. Ans.(a)
Sol.

Let total polled votes = x
So
$\frac{15}{100}x = 1350$
$x = 9000$
Total voters from village D
$= 9000 \times \frac{100}{75}$
$= 12000$
Total voters in E
$= \frac{12000}{6} \times 7 = 14000$
Total valid votes polled in E
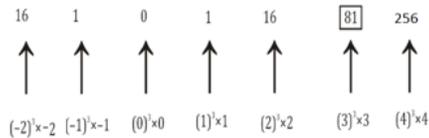$= 140 \times 95 \times \frac{85}{100} = 11,305$

S183. Ans.(d)
Sol. Since we cannot determine number of males and females who vote so value cannot be determined.

S184. Ans.(c)
Sol.

Pattern of series –

16	1	0	1	16	**81**	256
↑	↑	↑	↑	↑	↑	↑
$(-2)^2 \times -2$	$(-1)^2 \times -1$	$(0)^2 \times 0$	$(1)^2 \times 1$	$(2)^2 \times 2$	$(3)^2 \times 3$	$(4)^2 \times 4$

So , 32 is wrong number

S185. Ans.(e)
Sol.

Pattern of series –

$6 \times 2 - (2)^2 = 8$

$8 \times 3 + (3)^2 = 33$

$33 \times 4 - (4)^2 = 116$

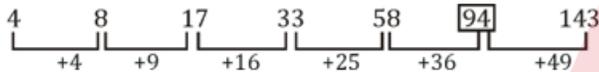$116 \times 5 + (5)^2 = \boxed{605}$

$605 \times 6 - (6)^2 = 3594$

$3594 \times 7 + (7)^2 = 25207$

So, 604 is wrong number

S186. Ans.(b)
Sol.

Pattern of series –

4	8	17	33	58	**94**	143
+4	+9	+16	+25	+36	+49	

Hence, wrong term is 93

S187. Ans.(c)
Sol.

Pattern of series –

5	16	50	153	463	**1394**	4188
×3+1	×3+2	×3+3	×3+4	×3+5	×3+6	

Hence wrong term is 1393

S188. Ans.(d)
Sol.

20 men can complete the work in 12 days. So, 1 man can complete the same work in 240 days.

Efficiency of 5 women = Efficiency of 3 men

5W = 3M

Ratio of efficiencies:

$\frac{M}{W} = \frac{5}{3}$

Let, a man does 5 units and a woman does 3 units of work per day & total units of work are 1200 units.

8 days' work of 4 men and 10 women = 8 × (4 × 5 + 10 × 3) = 400 units

Remaining work = 1200 – 400 = 800 units

Let the additional number of women required be x.

There are 4 men and 10 + x women now.

Per day work of 4 men and 10 + x woman = 4 × 5 + (10 + x) × 3 = 50 + 3x units

No. of day required to complete the remaining work $= \frac{800}{50 + 3x}$

$\frac{800}{50 + 3x} = 10$

x = 10

10 additional women are required to complete the remaining work in 10 days.

S189. Ans.(b)
Sol.

Let the amount invested at 6% be x

The amount invested at 5% be 10000 $- x$

$\frac{(10000-x) \times 5}{100} - x \times \frac{6}{100} = 76.50$

$50000 - 5x - 6x = 7650$

$11x = 42350$

x = 3850

S190. Ans.(a)
Sol.

Let speed of Bus A & B initially be x & y respectively

$\frac{x+y}{2} = 70$

x + y = 70 × 2 = 140 km/hr

Speed of bus A

In 4 hour,   x   x – 10   x – 20   x- 30

Speed of bus B

In 4 hour,   y   y + 10   y + 20   y + 30

Distance b/w P and Q = (x + x – 10 + x – 20 +x – 30) +(y +y +10 + y + 20 +y + 30)

= 4(x + y)

= 4 × 140 = 560 km

S191. Ans.(b)
Sol.

Let the amount spent by shopkeeper for purchasing sugar be Rs 100x

Actual cost of the quantity of sugar received by the shopkeeper= Rs 125x

Amount received by selling to the customer=$\frac{125x}{100-16\frac{2}{3}} \times 100$ =Rs 150x

Net profit %=$\frac{150x-100x}{100x} \times 100 = 50\%$

S192. Ans.(b)
Sol.

Let number of days taken by 'P' pipes be 7d

So, number of days taken by (P −1) pipes be10d

Given, 7d = 21

d = 3 and 10d = 30

ATQ,

$P \times 21 \times 8 = (P - 1) \times 30 \times 6$

P56 = 60P−60

P = 15

S193. Ans.(e)
Sol.

Let present age of Santosh, A and B be x, y, z years respectively

ATQ,

$\frac{x}{z} = \frac{5}{1}$

$\Rightarrow x = 5z$ ...(i)

Also,

$\frac{x-2}{y-2} = \frac{3}{1}$

x – 2 = 3y – 6

3y – x = 4   ...(ii)

y=z+6   (given)   ...(iii)

From (i), (ii) and (iii)

x = 35, y = 13, z = 7

Santosh's age when A was born

= 35 – 13

= 22 yrs.

S194. Ans.(b)
Sol.
ATQ,

A interest = $A\{(1 + \frac{10}{100})^2 - 1\} = \frac{21}{100}A$

B interest = $(A + 1000)\{(1 + \frac{5}{100})^2 - 1\} = \frac{41}{400}(A + 1000)$

Difference = $\frac{21}{100}A - \frac{41}{400}(A + 1000) = 5$

On solving, we get

A = Rs.1000

Quantity I. 1000

Quantity II. $\frac{3}{5} \times 2000 = 1200$

So, Quantity I < Quantity II

S195. Ans.(a)
Sol.
ATQ,

Quantity I.

$a - b^2 = 1$

$b = \frac{1}{3} \times \sqrt{81} = 3$

so, a = 1 + 3²

= 10

Sum = 3 + 10 = 13.

Quantity I > Quantity II

S196. Ans.(b)
Sol.
Let total 5G users in A = 5a

So, total 4G users in A = $5a \times \frac{160}{100} = 8a$

8a − 5a = 270

a = 90

Total 5G users in A = 5 × 90 = 450

Let total 5G users in B = 4b

So, total 4G users in B = $4b \times \frac{175}{100} = 7b$

7b − 4b = 270

b = 90

Total 5G users in B = 90 × 4 = 360

Let total 5G users in E = 5c

So, total 4G users in E = $5C \times \frac{140}{100} = 7c$

7c − 5c = 240

c = 120

Total 5G users in E = 120 × 5 = 600

Average of 5G users in A, B & E = $\frac{450+360+600}{3} = 470$

Let total 5G users in C = 2x

So, total 4G users in C = $2x \times \frac{150}{100} = 3x$

3x − 2x = 250

x = 250

Total 4G users in C = 250 × 3 = 750

Let total 5G users in D = 5y

So, total 4G users in D = $5y \times \frac{180}{100} = 9y$

9y − 5y = 320

y = 80

Total 4G users in D = 80 × 9 = 720

Average number of 4G users in C & D = $\frac{750+720}{2} = 735$

Required difference = 735 − 470 = 265

S197. Ans.(d)
Sol.
Let total 5G users in B = 4b

So, total 4G users in B = $4b \times \frac{175}{100} = 7b$

7b − 4b = 270

b = 90

Total 4G users in B = 90 × 7 = 630

Let total 5G users in A = 5a

So, total 4G users in A = $5a \times \frac{160}{100} = 8a$

8a − 5a = 270

a = 90

Total 4G users in A = 8 × 90 = 720

Let total 5G users in D = 5y

So, total 4G users in D = $5y \times \frac{180}{100} = 9y$

9y − 5y = 320

y = 80

Total 4G users in D = 80 × 9 = 720

Required percentage = $\frac{(720+720)-630}{(720+720)} \times 100$

$= \frac{810}{1440} \times 100 = 56.25\%$

S198. Ans.(a)
Sol.
Let total 5G users in C = 2x

So, total 4G users in C = $2x \times \frac{150}{100} = 3x$

3x − 2x = 250

x = 250

Total 5G users in C = 250 × 2 = 500

Total 5G users in X = $500 \times \frac{140}{100} = 700$

Let total 5G users in E = 5c

So, total 4G users in E = $5C \times \frac{140}{100} = 7c$

7c − 5c = 240

c = 120

Total 4G users in E = 120 × 7 = 840

So, total 4G users in X = $840 \times \frac{125}{100} = 1050$

Required percentage = $\frac{1050-700}{700} \times 100 = 50\%$

S199. Ans.(a)
Sol.
Total 4G users in B = 90 × 7 = 630

Let total 5G users in A = 5a

So, total 4G users in A = $5a \times \frac{160}{100} = 8a$

8a − 5a = 270

a = 90

Total 5G users in A = 5 × 90 = 450

Total 4G users in A = 8 × 90 = 720

Let total 5G users in E = 5c

So, total 4G users in E = $5C \times \frac{140}{100} = 7c$

7c − 5c = 240

c = 120

Total 5G users in E − 120 × 5 = 600

Total 4G users in E = 120 × 7 = 840

Required revenue = (720 × 50 + 840 × 50) + (450 × 80 + 600 × 80)

= 78000 + 84000

= 162000

S200. Ans.(c)
Sol.

Let total 5G users in D = 5y

So, total 4G users in D = $5y \times \frac{180}{100} = 9y$

9y – 5y = 320

y = 80

Total 4G users in D = 80 × 9 = 720

Let total 5G users in E = 5c

So, total 4G users in E = $5C \times \frac{140}{100} = 7c$

7c – 5c = 240

c = 120

Total 4G users in E = 120 × 7 = 840

Total 4G users in D & E = 720 + 840 = 1560

Let total 5G users in B = 4b

So, total 4G users in B = $4b \times \frac{175}{100} = 7b$

7b – 4b = 270

b = 90

Total 5G users in B = 90 × 4 = 360

Let total 5G users in E = 5c

So, total 4G users in E = $5C \times \frac{140}{100} = 7c$

7c – 5c = 240

c = 120

Total 5G users in E = 120 × 5 = 600

Total 5G users in B & E = 360 + 600 = 960

Required ratio = 1560 : 960

= 13 : 8