## All India Mock of ECGC PO 2021

Directions (1-5): Study the following information carefully and answer the questions given below:

16 boxes are placed in a $4^{*} 4$ matrix formation as there are 4 rows and 4 columns. All of them are placed from top to bottom. Box Z is placed immediately above box T in the same column. Box V is placed below the box P in the same column. Only box A is placed to the west of box P . Box P is placed to the west of box $W$ and to the south of box $X$. Box $V$ is placed to the south west of box $R$. Box $Z$ and W are placed in the same column. No box is placed above the box X . Box V is placed immediately above box Y. No box is placed to the east of box R. No box is placed below and to the west of box D. Box $S$ is placed to the east of box Q . Box E is placed to the north of box Q . Box $B$ is placed to the east of box $U$ and to the north of box $R$. Box C is placed in the same row as that of Y .

Q1. Which of the following box is placed to the west of box Y ?
(a) Q
(b) V
(c) T
(d) D
(e) None of these

Q2. Four of the following are alike in a certain way so form a group, which of the following does not belong to that group?
(a) A-V
(b) P-Z
(c) $\mathrm{W}-\mathrm{S}$
(d) V-T
(e) P-E

Q3. Which of the following box is placed exactly between box P and box R in the row?
(a) W
(b) U
(c) V
(d) C
(e) Z

Q4. Which of the following statement is not true?
(a) Box E and Box A are placed in the same column
(b) Box Z is placed to the south west of box R
(c) Box V is placed below the box P
(d) Box T and box Y are placed in the same column
(e) Box C is placed to the east of box D

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Q5. Which of the following box is placed to the south east of box X ?
(a) R
(b) Z
(c) All of them
(d) S
(e) T

Directions (6-10): Each of the questions below, consist of a question and three statements numbered I, II and III. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the three statements and Give answer
(a) If the data in statement I and II together are sufficient to answer the question, while the data in statement III is not required to answer the question.
(b) If the data in statement I and III together are sufficient to answer the question, while the data in statement II is not required to answer the question.
(c) If the data in statement II and III are sufficient to answer the question, while the data in statement $I$ is not required to answer the question.
(d) If the data in all the three statements I, II and III together are necessary to answer the question.
(e) If the data in all the statements, I, II and III even together are not sufficient to answer the question

Q6. Seven persons i.e. $M, N, O, P, Q, R$ and $S$ are participated in a cooking competition then who among the following get the first rank?
I. Only one person get the lesser rank than the one who get just one rank less than the N .
II. Only three persons get the more rank from either P or Q. S rank is more than the O's and M's rank. $\mathrm{R}^{\prime}$ s rank is the least one.
III. S's rank is more than P's rank. Q's rank is just one rank more than R's rank. $P^{\prime} s$ rank is not more than O's and M's rank.

Q7. Five different books i.e. VN, JU, KI, LA and SD are read by Sam on five different dates i.e. $12^{\text {th }}$, $14^{\text {th }}, 16^{\text {th }}, 19^{\text {th }}$ and $23^{\text {rd }}$ of the same month i.e. January. Which among the following book is read on $16^{\text {th }}$ January?
I. JU is read by Sam before SD. KI is read on $19^{\text {th }}$ January.
II. LA is read after SD. The number of books read before VN is one more than the number of books read after LA.
III. No book is read after LA.

Q8. Seven persons i.e. P, $\mathrm{Q}, \mathrm{R}, \mathrm{S}, \mathrm{T}, \mathrm{U}$ and V are living on an eight floor building such that first floor is numbered as $1^{\text {st }}$ floor, just above floor is numbered as $2^{\text {nd }}$ floor and so on till the topmost floor is numbered as $8^{\text {th }}$ floor where one floor is remained as vacant. All the information is not necessarily in the same order. Which floor is the vacant floor?
I. U lives on $4^{\text {th }}$ floor but below the $\mathrm{Q}^{\prime}$ s floor. There are two floors gap between P's and R's floor.
II. Q lives on an even numbered floor but below P's floor.
III. S lives immediately below T's floor. R lives on an odd numbered floor.

Q9. Six cars C1, C2, C3, C4, C5 and C6 are placed in a parking in a row at a particular distance such that the distance (in meter) between each car is a multiple of 7 in a successive order. All the information is not necessarily in the same order. Find out the distance between the C2 and C5?
I. The distance between the C4 and C6 is 84 m . Only C5 is parked to the east of C6.
II. The distance between the C4 and C3 is twice the distance between C5 and C3.
III. The distance between the C 1 and C 6 is 63 m . Only C 2 is parked to the west of C 4 .

Q10. A certain number of persons are sitting in a row and all of them are facing in north. Find the total number of persons sitting in a row?
I. Three persons sit between $Q$ and $V$. $X$ sits second to the left of $Q$. $U$ sits third to the left of $Q$.
II. Two persons sit between $U$ and $Z$. $Y$ sits to the left of $U$. Only one person sits to the left of $Y$.
III. Two persons sit between Q and $\mathrm{T} . \mathrm{V}$ is the only neighbor of $\mathrm{W} . \mathrm{Z}$ sits at one of the extreme end.

Q11. India and the UAE have discussed measures to deepen cooperation in a range of areas including defence, security, terrorism and trade as the two countries held the second round of their strategic dialogue in Abu Dhabi.
Which among the following is not-in-line with given statement?
I. The Indian delegation at the talks held yesterday was led by Minister of State for External Affairs M J Akbar while the UAE side was headed by its Minister of State for Foreign Affairs Anwar Gargash.
II. India ships wheat to Afghanistan via Chabahar. India on Sunday began shipment of wheat to Afghanistan through the Iranian port of Chabahar.
III. The UAE has raised its investment profile in India, and cooperation has increased on security issues, the statement said.
(a) Only I
(b) Both II and III
(c) Both I and III
(d) Only II
(e) None of these

Q12. Modi government to reframe social welfare schemes for OBCs. In the run-up to the high stakes elections in Gujarat and Himachal Pradesh, the Narendra Modi-led government has moved to reframe social welfare schemes for other backward classes (OBCs).
Which among the following can be hypothesized from the given statement?
I. The targeted schemes promise quality residential accommodation and scholarships to OBC students.
II. This reframe of social welfare schemes for OBCs by the Modi government is a political move to target high stakes elections in Gujarat and Himachal Pradesh.
III. The ministry has laid down guidelines for construction of hostels, which would be energy efficient, economical yet good quality.
(a) Only I
(b) Both III and I
(c) Only II
(d) Both II and III
(e) None of these

Direction (13-15): Study the following information carefully and answer the questions given below:

First 12 even natural numbers are written from top to Bottom. The letters of word "BROKEN" are written in the same order against each multiple of 4 (one letter against one number) from top to bottom. There are two even natural numbers between B and S. No letters are between E and Z. The number of letters between T and S is same as between P and S . Letter K is above the letter P .

Q13. If $M$ is exactly between $O$ and $K$ then how many letters between $M$ and $R$ ?
(a) None
(b) One
(c) Three
(d) More than three
(e) None of these

Q14. If it is possible to make only one meaningful word with the $2^{\text {nd }}, 8^{\text {th }}, 18^{\text {th }}$, and $20^{\text {th }}$ position letters, then what would be the third letter of the meaningful word thus formed from the right end? If more than one such word can be formed give ' $\mathrm{Y}^{\prime}$ ' as the answer. If no such word can be formed, give ' $Z$ ' as your answer.
(a) Y
(b) E
(c) P
(d) $Z$
(e) T

Q15. The number of letters between R and O is same as the number of letters between Z and $\qquad$ ?
(a) T
(b) S
(c) P
(d) B
(e) N

Directions (16-20): Study the following information carefully and answer the questions given below:

Eleven persons $C, D, E, F, G, P, Q, R, S, T$ and $Z$ are living in a six-story building such as ground floor is numbered as 1 , floor above it is numbered as 2 so on till the topmost floor is numbered as 6 . Each of the floors has 2 flats in it viz. flat-A and flat-B. Flat-A of floor- 2 is immediately above flat-A of floor- 1 and immediately below flat-A of floor-3 and so on. In the same way flat-B of floor-2 is immediately above flat-B of floor-1 and immediately below flat-B of floor-3 and so on. Flat-A is in west of flat-B. One of the flats of any floor remains vacant.
$R$ lives on an even numbered floor. P lives to the north of $\mathrm{F} . \mathrm{Z}$ lives on an odd numbered floor with the same floor as that of D. There are two floors gap between P's and T's floor. E lives in flat A but not on an odd numbered floor. No one lives to the south west of G. C lives to the south west of F.R lives to the north of E. D lives to the north east of T. F lives on the third floor. T lives to the south west of F. P lives on an even numbered floor. C and S lives on the same floor. C and Q lives on the same flat.

Q16. How many floors are there in between the R and T 's floor?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these

Q17. Who among the following lives in flat-B of $6^{\text {th }}$ floor?
(a) F
(b) G
(c) No one
(d) C
(e) None of these

Q18. Four of the following are alike in a certain way so form a group, which of the following does not belong to that group?
(a) $R$
(b) Z
(c) T
(d) E
(e) P


Q19. Which of the following statement is not true?
(a) P lives to the east of $E$.
(b) There is only one floor gap between S and T's floor.
(c) G and T lives on the same floor.
(d) Only one person lives on $6^{\text {th }}$ floor.
(e) G lives on an odd numbered floor.

Q20. Which among the following pair of persons live on the same flat?
(a) Z-P
(b) D-E
(c) F-C
(d) P-D
(e) G-R

Directions (21-25): Study the following information carefully and answer the questions given below.

Seven subjects viz. Physics, Biology, Chemistry, Sanskrit, Hindi, English and Economics are taught at a coaching institute. Each subject was given a definite and continuous time slots. (i.e. there is no gap between the duration of two consecutive subjects). The total duration for the classes of all the subjects is 10 hours 30 minutes. The class can start either from a whole hour or from half an hour only (i.e. a class can start at either 4 pm or $4: 30 \mathrm{pm}$ but it cannot start at 4:13 pm and 4:03 pm).
Class of English takes place from 12 pm to 1 pm . Only one class took place between the classes of English and Economics. The duration for the class of Economics is twice as the duration for the class of English. Only one subject's class took place between the classes of Biology and Physics. Biology's class started at $4: 30 \mathrm{pm}$. The duration for the classes of Physics and Sanskrit is same. The total duration for the classes of Hindi, Sanskrit and chemistry is $4: 30 \mathrm{hrs}$. The duration for the class of Hindi is half an hour less than that of Sanskrit. Sanskrit class took place immediately before chemistry class. Number of classes took place between Hindi and English is same as between Biology and English. The duration for the class of Chemistry is 30 minutes more than the time duration of Biology class.

Q21. What is the time slot of Chemistry class?
(a) $12 \mathrm{am}-1 \mathrm{pm}$
(b) $10 \mathrm{am}-12 \mathrm{pm}$
(c) $2.30 \mathrm{pm}-3.30 \mathrm{pm}$
(d) $4.30 \mathrm{pm}-6.00 \mathrm{pm}$
(e) None of these

Q22. What is the sum of the time durations for the Physics and Hindi classes?
(a) 2 hrs .
(b) 2.30 hrs .
(c) 3.30 hrs .
(d) 3 hrs .
(e) 4 hrs .

Q23. How many classes scheduled took between Sanskrit and Economics?
(a) None
(b) Two
(c) Four
(d) One
(e) Three

Q24. Which of the following class takes place just after the Hindi class?
(a) Sanskrit
(b) Physics
(c) English
(d) Biology
(e) None of these

Q25. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?
(a) Hindi-Sanskrit
(b) English-Biology
(c) Physics-Economics
(d) English-Physics
(e) Chemistry-English

Q26. Statement- Pakistan on Thursday alleged that Indian security forces are using "ammunition which contains chemical agents" in Jammu and Kashmir, reported Pakistani media.
Which of the following negates the above statement?
(i) The report came from the local media channel which is known to be biased against Indian Army.
(ii) Dead bodies of Kashmiri youth were found in the debris of five houses with nose masks on their heads.
(iii) Indian Army is always known to use water cannon against the stone palters.
(a) Only (i)
(b) Only (ii)
(c) Only (ii) and (iii)
(d) Only (iii)
(e) None of these

Q27. Statement:- India's foreign ministry has denied reports that China had "cancelled" a meeting between President Xi Jinping and Prime Minister Narendra Modi on the sidelines of the G20 summit in Hamburg.
Which of the following abrogates the above statement?
(i) Spokesman Gopal Baglay told reporters that a meeting with Mr Xi had never been on Mr. Modi's agenda.
(ii) Last meeting between Mr. Xi and Mr. Modi was very fruitful to both countries.
(iii) Troops have been facing extreme temperatures along one stretch of India and China's shared border along the Himalayas.
(a) Only (i)
(b) Only (ii)
(c) Only (ii) and (iii)
(d) Only (i) and (iii)
(e) None of these

Q28. Statement-The lynching of a police officer DSP Ayub Pandith outside the Jama Masjid in downtown Srinagar on Friday triggered widespread condemnation. Srinagar's Deputy Superintendent of Police (DSP) Ayyub Pandith was lynched by an irate mob after he allegedly opened fire at a group of people who caught him clicking pictures near a mosque in downtown area of Srinagar.

## Which of the course of action should be followed?

(I)Police and security guards should run away after they found the mob too large to be handled.
(II)The authorities should restrict the movement of people in particular areas of the city as a precautionary measure.
(III)It should be announced to maintain law and order and some kind of action plan should be prepared to stop all these mis happenings.
(a) Only II
(b) Only III and I
(c) Only II and III
(d) Only I and II
(e) None of the above

Directions (29-30): In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q29. Statements: Only a few weeks are day. Some day is not month. All month is year. Only a few holiday is weeks.
Conclusions: I. Some weeks are not month.
II. All year can be day.
III. Some weeks are not holiday.
(a) Both I and II
(b) Both I and III
(c) Both II and III
(d) Only I
(e) Only II

Q30. Statements: Only argument is conclusion. No statement is action. Some statement is argument. Only a few comments are action.
Conclusions: I. Some comments are not statement
II. No conclusion is statement
III. All comments can be action
(a) Both I and II
(b) Both I and III
(c) Both II and III
(d) Only I
(e) Only II

Directions (31-35): Study the following information carefully and answer the questions given below:

There is $C D$ axis in such a way that $C$ is to the west of $D$. There is $X Y$ axis in such a way that $X$ is to the north of $Y$. CD axis intersect with $X Y$ axis at a point $Q$ in such a way that $C Q$ is $16 \mathrm{~m}, \mathrm{QD}$ is 19 m , QX is 14 m , QY is 20 m .
P1 starts walking along the CD axis towards $D$, starting from point $C$ after walking 18 m he takes a right turn and after walking a distance which is half of the distance between QY line he stops at point N. Point $S$ is to the south of point L. P2 starts walking along the QX axis after walking 7 m to the north from point $Q$ he takes a right turn and walks for $2 m$ and stops at point K. P3 takes a left turn from point X and after walking a distance which is greater than 16 m he stops at point L. P4 starts walking along the QY line from a point towards $Y$ to reach point A such that distance between point $A$ and point $Y$ is 1 m less than $C Q$ and then takes a right turn and after walking 32 m he stops at point $S$.

Q31. What is the shortest distance between points $Q$ and $K$ ?
(a) $\sqrt{ } 53 \mathrm{~m}$
(b) $\sqrt{ } 55 \mathrm{~m}$
(c) $5 \sqrt{ } 13 \mathrm{~m}$
(d) 53 m
(e) None of these

Q32. What is the shortest distance between Point L and point $S$ ?
(a) 18 m
(b) 22 m
(c) 19 m
(d) 17 m
(e) None of these

Q33. In which direction is point L with respect to P 1 's final position?
(a) North east
(b) South east
(c) North
(d) South
(e) North west

Q34. Which of the following points are in a straight line?
(a) $K X Q$
(b) Q Y D
(c) DQC
(d) S Y D
(e) None of these

Q35. What is the total distance between points $L$ and $X$ and also determine in which direction is point $X$ with respect to the point $C$ ?
(a) 32, North west
(b) 32 m , North east
(c) 32, South east
(d) 35, South
(e) None of these

Q36. Each worksheet contains rows ?
(a) 65,000
(b) 66,000
(c) 65,536
(d) 65,500
(e) None of these

Q37. How many 30-bit SIMMS are required to populate a bank on a 486 system that has a 32-bit data bus?
(a) 2
(b) 3
(c) 4
(d) 5
(e) None of these

Directions (38-42): A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

Input: 68749623762198348215
Step I- 12581267236934894678
Step II- BCFI BCGH CDGJ DEIJ EGHI
Step III- @18 @16 @30 @40 \$45
Step IV- NINE SEVEN THREE FOUR NINE
Step V- V4M M5H V5G I4U V4M
Step V is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input: 94262184681398647413

Q38. Which of the following element is third to the left of second element from the right end in step III?
(a) @18
(b) @16
(c) None of these
(d) @30
(e) $\$ 50$

Q39. How many letters (according to the English alphabetical series) are there in between the second letter of the second word from the left end and first letter of the third word from the right end in step IV?
(a) 9
(b) 7
(c) 8
(d) 5
(e) None of these

Q40. In each of the given words in step II, if each consonant is changed with its previous letter and each vowel is changed with its next letter then how many words thus formed are started with a vowel?
(a) One
(b) Two
(c) More than three
(d) Three
(e) None of these

Q41. What is the sum of the numbers which is second from the left end and second from the right end in step I?
(a) 3812
(b) 3816
(c) 3811
(d) 3888
(e) None of these

Q42. Which of the following element is second from the left end in step V?
(a) B5U
(b) None of these
(c) B6G
(d) V 4 H
(e) M 5 H

Directions (43-44): Study the following information carefully and answer the questions given below:

There are ten members in a family of four generation having three married couples. V is the child of T. $P$ is uncle of $N$ who has only one sibling. $M$ is grandfather of $S$ who is only child of $R$. $O$ is married and older than $\mathrm{N} . \mathrm{V}$ is grandson of N and has only one sibling. T is daughter-in-law of N . Q is sister of $N$. O is mother of $N . R$ is grandmother of $U$. U is not sister of V. O has no siblings.

Q43. How is $N$ related to $R$ ?
(a) Brother
(b) Uncle
(c) Husband
(d) Wife
(e) None of these

Q44. If $O$ is 55 years old and $S$ is 30 years old, then what may be the possible age of $R$ ?
(a) 29 years
(b) 45 years
(c) 58 years
(d) Cant' be determined
(e) None of these

Q45. How many such numerals are there in the number '1849362476429' which will remain at the same position when arranged in ascending order from right to left?
(a) Three
(b) One
(c) Two
(d) Four
(e) None of these

Directions (46-50): Study the following information carefully and answer the questions given below:

Six employees i.e. P, Q, R S, T and U are working in a company at different designations i.e. Chief Legal Officer (CLO), Chief Marketing Officer (CMO), Chief Technology Officer (CTO), Chief Financial Officer (CFO), Chief Operating Officer (COO) and Chief Executive Officer (CEO). Sequence of the posts are same as mentioned above with Chief Legal Officer (CLO) being the junior most position and Chief Executive Officer (CEO) being the topmost position and. They all have different years of working experiences and gets different salaries on the basis of the sequence of their designation (senior most employee get the highest salary and has the maximum years of experience and the junior most has least experience and salary). All the information is not necessarily in the same order.
The salary of $P$ is a multiple of 11.The one who has 10 years of experience earns 10 K less than $U$ who is not CFO. At most one person is senior to S . Only two employees are junior than the one who has 8 years of working experience. The one who is COO has 3 years more experience than the one who is getting 60 K . The sum of the salaries of CLO and CMO is same as the salary of the one who has the maximum work experience. 15 years is the maximum years of working experience. Only two designations are there in between the designations of $S$ and $P$. The working experiences of CMO and CTO are in consecutive years. CMO is getting 50 K . R is junior than P . The CEO salary is 5 k less than the square of the smallest two digit number. Q is junior than R and having the working experience equal to the sum of the digit of the salary what R gets. The salary of CTO is less than 57 K .

Q46. Who among the following has 10 years of working experience?
(a) The one who gets 55 K
(b) The one who is just junior than U
(c) T
(d) Both (b) and (c)
(e) Both (a) and (c)

Q47. Who among the following is Chief Executive Officer (CEO)?
(a) S
(b) T
(c) The one who is getting 70 k
(d) $Q$
(e) None of these

Q48. What is the difference between the working experience (years) of Chief Operating Officer (COO) and the one who is 55 k salary?
(a) 3
(b) 4
(c) 5
(d) 2
(e) None of these

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Q49. Which of the following statement is true?
(a) T is senior than U
(b) S is getting 95 K salary
(c) More than two employees are junior than P
(d) P's salary is more than T's salary
(e) T is the junior among all

Q50. Who among the following employee is just senior than the one who has 13 Years of working experience?
(a) S
(b) T
(c) P
(d) R
(e) None of these


Directions (51-55) Read the given passage carefully and answer the following questions. Certain parts have been highlighted to help answer the questions

Researchers at Silicon Valley's Stanford University have confirmed what millions of remote workers already knew: "Zoom fatigue" causes greater stress than meeting in real life because of the "nonverbal overload" of endless video calls. A study by Jeremy Bailenson, professor of communication and founding director of the Stanford Virtual Human Interaction Lab, found that the underlying causes of Zoom fatigue include "excessive amounts of close-up eye gaze" and "increased selfevaluation from staring at video of oneself". "Zoom users are seeing reflections of themselves at a frequency and duration that hasn't been seen before in the history of media - and likely the history of people," Bailenson wrote. Some of these problems could be solved with "trivial changes" to Zoom's user interface, he suggested, such as automatically hiding the "selfie" window that reflects the user back at themselves after the first few seconds of a call. Bailenson also recommended that Zoom users themselves could make simple changes to reduce the strain, such as shrinking the size of the video window so that other faces do not feel so close. More video meetings should simply be conducted as phone calls, he added. Bailenson's paper, published this week in the journal

Technology, Mind, and Behavior, is billed by Stanford as the "first peer-reviewed article that systematically deconstructs Zoom fatigue from a psychological perspective". It is accompanied by a separate study, not yet peer reviewed, that uses a "Zoom Exhaustion and Fatigue" scale to measure the impact. After thousands of people completed a questionnaire, Bailenson said there was a "strong theoretical reason to predict" that women were more affected than men by seeing video of themselves all day. Millions of knowledge workers around the world have now spent the
$\qquad$ of year in spare bedrooms and home offices, as the pandemic and waves of lockdowns forced office closures. Video conferencing apps such as Zoom, Microsoft Teams and Google Meet have boomed as a result. Zoom's share price has almost quadrupled in the last year, giving it a market value of more than $\$ 100 b$ n. Bailenson said he thought that Zoom was "awesome" and "works fantastically" but had become a "punching bag" for frustrated office workers. "We can't control a lot of our lives but we can yell about Zoom," he said in an interview with the FT. He acknowledged that the problems of Zoom fatigue paled in comparison with the daily trauma faced by medical staff in overloaded hospitals. Even in developed countries, millions of people lacked access to reliable broadband connections and many could not afford the hardware required to make video calls.

Q51. What is the central theme of the passage?
(a) Effects of the Coronavirus Pandemic
(b) Zoom Exhaustion and Fatigue
(c) Online work from home
(d) Video conferencing apps
(e) None of the above

Q52. Which of the following statements is TRUE?
(a) Bailenson said there was a "strong theoretical reason to predict" that men were more affected than women by seeing video of themselves all day.
(b) Apps in the video conferencing sector have incurred huge loses because of the pandemic.
(c) Studies show that one of the results of greater zoom usage is decreased self-evaluation from staring at video of oneself.
(d) Real life interaction is less stressful than zoom meetings because of the "non-verbal overload" of endless video calls.
(e) All of them are false.

Q53. Choose the most suitable phrase to fill the given blank (A) to make the sentence grammatically and contextually correct.
(a) best part
(b) less part
(c) dangerous part
(d) specific part
(e) None of the above

Q54. What is one of the ways through which the problems of Zoom fatigue could be solved?
(a) After the initial few seconds of the call, the 'selfie' window, which reflects the user back at themselves, should be hidden.
(b) Zoom should be marketed to women less as compared to men.
(c) Governments should build more accessible broadband connections for everyone to use it efficiently.
(d) To use zoom as our punching bag.
(e) None of the above.

Q55. What is the reason for a boom in the usage of video conferencing apps such as Zoom, Microsoft Teams and Google Meet?
(a) People's increased efforts at virtual interaction, whether it be for work, schooling or universities.
(b) These video conferencing apps have good interfaces.
(c) These apps were more fun to use while everyone was in the lockdown.
(d) These apps are very informative and educate a lot of people.
(e) None of the above

Directions (56-60) : In which of the following sentences the highlighted phrase suits the best and makes the sentence meaningful?

## Q56. Under the weather

(i) After the rigours of trekking in the mountains, he was feeling under the weather next day.
(ii) They finally saw under the weather on the business deal.
(iii) Kevin says he was completely under the weather about the CEO's plans to sell the company.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) All of them
(e) None of the above

## Q57. On cloud nine

(i) I never expected to win, so I'm on cloud nine.
(ii) When I said I would move to New York, she offered me the job on cloud nine.
(iii) Passing this quiz will be like being on cloud nine.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) All of them
(e) None of the above

Q58. Head over heels
(i) I was head over heels after receiving the news of my promotion.
(ii) I fell head over heels by sending the proposal to the client without first showing it to my manager.
(iii) When I found out Tom crashed my car, I fell head over heels.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) All of them
(e) None of the above

Q59. Let one's hair down
(i) I let my hair down to my colleague about the mismanagement in the Company.
(ii) He finally let his hair down and actually cracked a joke.
(iii) I'm sorry to let your hair down, but the park is closed tomorrow, so we can't have our picnic there.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) All of them
(e) None of the above

Q60. Read between the lines
(i) She said she could afford it, but reading between the lines I don't think she has enough money.
(ii) I was upset at not getting promoted, but the management read between the lines when they promoted my junior.
(iii) Tom stole cameras when he worked here. I'll hire him back when he reads between the lines.
(a) Only (i)
(b) Only (ii)
(c) Only (iii)
(d) All of them
(e) None of the above

Directions (61-65): In the following question, four sentences are given which may be grammatically and contextually incorrect. You need to find the one which is incorrect and mark that as your answer.

Q61.
(a) Recent developments caused them to change their travel plans.
(b) When he followed her gaze, he saw that she was looking at his best friend.
(c) Reports of alien abductions have increased substantially since the UFO was sighted.
(d) The government is running a campaign to try to convince teenagers not to start smoking.
(e) All are correct.

## Q62.

(a) The diver did a daring back flip off the 10-meter board, and entered the water without a splash.
(b) They hire her for the job of office manager, but were so impressed by her work in the first few months that they quickly promoted her to regional manager.
(c) The pitcher threw a curve ball which completely fooled the batter.
(d) Black holes in outer space apparently absorb energy and light, and crush them into nothingness.
(e) All are correct.

Q63.
(a) The President of Costa Rica, along with two vice-presidents, are elected for a four-year term by the people.
(b) Frogs are vulnerable to pollution because their skin absorbs everything that they come in contact with.
(c) The house has looked abandoned since the Bates family moved away 2 years ago.
(d) Life on earth probably began with simple chemical reactions that happened naturally.
(e) All are correct

## Q64.

(a) The number of foreign tourists visiting Nepal is increasing day by day during this tourist season.
(b) He met me yesterday but he did not tell me that he had resigned from the factory the previous week itself.
(c) I have always considered myself for a batsman right from my early days of cricket.
(d) All secretaries and principal secretaries have been asked to attend the meeting to be chaired by the chief minister on Wednesday.
(e) All are correct

## Q65.

(a) Figures of government expenditure on the event show that over Rs50 lakh wsa spent only on arranging food including breakfast,lunch and dinner for the delegates at the three-day event.
(b) With an aim to provide convenience to its commuters by ensuring last mile connectivity from the metro stations the DMRC has joined hands with a firm.
(c) Annual payments during the time of litigation which could have prevented interests and penalties on the dues which has multiplied the amount massively.
(d) The telecom market turning into a duopoly with a massive loss of employment.
(e) All are correct

Directions (66-70): Rearrange the following sentences and answer the questions written below:
(a) Much has changed just 19 years into the 21st century and looking back 5 decades ago, the changes in dress codes have been considerable.
(b) To better answer this question, it is first important to define what a dress code is.
(c) The question "does the dress code still exist in the 21st century?" still lingers.
(d) It is safe to say that everything changes with the times and the dress code is no exception.
(e) A dress code can be described as an accepted way of dressing for a specific social group or a specific occasion.

Q66. Which sentence would be the FIRST in the sequence?
(a) (A)
(b) (B)
(c) (C)
(d) (D)
(e) (E)

Q67. Which sentence would be the SECOND in the sequence?
(a) (A)
(b) (B)
(c) (C)
(d) (D)
(e) (E)

Q68. Which sentence would be the THIRD in the sequence?
(a) (A)
(b) (B)
(c) (C)
(d) (D)
(e) (E)

Q69. Which sentence would be the FOURTH in the sequence?
(a) (A)
(b) (B)
(c) (C)
(d) (D)
(e) (E)

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Q70. Which sentence should be the FIFTH in the sequence?
(a) (A)
(b) (B)
(c) (C)
(d) (D)
(e) (E)

## Directions (71-78) Read the given passage carefully and answer the following questions. Certain parts have been highlighted to help answer the questions.

Have you ever wondered who was paying to recycle that plastic bottle you just threw away? Until recently, it would have been collected and - to the extent possible - recycled by municipalities with the use of public money. But this is changing and today most used bottles are managed directly by their manufacturers.This evolution came with the introduction of the concept of Extended Producer Responsibility (EPR). Put in simple terms, EPR shifts responsibility away from municipalities onto producers for managing and recycling used products; although municipalities and private recyclers may still be involved for certain tasks. This implies that a soda company is required to finance and organise the recycling of its bottles when they are discarded by consumers. The same applies of course to other sector. The movement first started in a few European countries in the early 1990s and developed rapidly across industrialised countries. Today, most OECD countries have implemented EPR policies in key sectors such as packaging, electronics, batteries, tyres and vehicles. In recent years, emerging economies in Asia, Africa and Latin America have also started to follow the move. There are now approximately 400 EPR programmes in place around the world.EPR policies have proven to be successful in both, increasing collection and recycling rates, and in shifting the financial burden of waste management onto the shoulders of producers. Sharp improvements in recycling rates can indeed be observed following the introduction of such schemes, for example in Japan where the recycling of containers and packaging waste increased by $27 \%$ between 1997 and 2000 ( 1.25 to 1.59 million tons). In addition, these policies can reduce public spending and hence taxpayers' money spent on waste management activities. In France for example, about 15\% of the budget spent on municipal waste management is now financed by producers via EPR policies.
The OECD is playing an active role in encouraging and supporting governments in the implementation of EPR policies. In 2001, the organization published a Guidance Manual for Governments that provided the basic concepts and key policy recommendations on the topic. A Global Forum will take place this month in Tokyo to take stock of the evolution of EPR and will present a unique opportunity for a global, multi-stakeholder audience to exchange on their experience in designing and implementing such programmes. The outcomes of the discussions will help shape updated policy recommendations.OECD work on EPR forms part of a broader effort to move towards resource efficient societies. The total volume of material resources extracted, harvested and consumed worldwide reached 62 billion metric tonnes (Gt) in 2008, a $65 \%$ increase since 1980 and an estimated 8 fold increase over the last century. It is projected to reach 100 Gt per year by 2030,
generating increasing pressures on environmental resources as well as waste. Going for green growth and a resource efficient economy is thus a major environmental, development and macroeconomic challenge today. In this context, the use of policies that ensure sustainable materials management, building on the principles of the 3Rs - Reduce, Reuse, Recycle - is crucial. The OECD is therefore advising governments on Sustainable Materials Management (SMM) policies aiming to reduce the amount of resources that human economic activity requires and to diminish the environmental impacts from their production and consumption.
As expressed by Simon Upton, Director at the OECD Environment Directorate, "Sustainable materials management helps to address the social, environmental and economic impacts throughout the life-cycle of a product or material. This can $\qquad$ (A) and competitiveness. EPR policies are an effective tool to engage producers in that process."
EPR demonstrates that the involvement of all actors - governments, producers, recyclers, consumers - is necessary to address global environmental challenges. So, next time you drink a soda, just bear in mind to throw the bottle in the right bin, and the whole chain will keep running.

Q71. According to the passage which statement/statements is/are true about the sustainable materials management?
(a) Sustainable materials management aims at saving environment from harmful impacts of production and consumption of the resources.
(b) Sustainable materials management follows three principles i.e; reduce, reuse and recycle.
(c) The concept of Sustainable materials management is suggested by OECD to governments for reduction in human economic activities.
(d) All (a), (b) and (c)
(e) Both (a) and (b)


Q72. What is the role of OECD in the implementation of the EPR policies?
(a) It publishes a Guidance Manual for the Government that provides information about the gross fiscal deficit less net lending of the Central government after the implementation of the EPR policies.
(b) It provides monetary help to the developing nations to implement EPR Policies effectively.
(c) It Organises global forums to share experiences and exchange ideas about the effectiveness of the EPR policies.
(d) Both (a) and (c)
(e) None of the above

Q73. According to Simon Upton, how are the EPR policies an effective tool in plastic management?
(a) They engage producers in the process of recycling their own products.
(b) These policies address the environmental impact of products during its life cycle.
(c) They guide government to impose hefty fines on producers who use plastic packings.
(d) Both (a) and (b)
(e) None of the above.

Q74. Which of the following statements are true with respect to the passage?
(a) It is projected to reach 100 Gt per year by 2023, generating increasing pressures on environmental resources as well as waste.
(b) There are exactly 400 EPR programmes all around the world.
(c) The OECD is therefore advising governments on Sustainable Materials Management (SMM) policies aiming to reduce the amount of resources that human economic activity requires and to diminish the environmental impacts from their production and consumption.
(d) Tokyo showed a drastic decrease of $27 \%$ in the field of packaging waste.
(e) Both (a) and (c)

Q75. Which of the following words is opposite to the term "evolution" highlighted in the passage?
(a) elaboration
(b) augmentation
(c) incubation
(d) retrogression
(e) emergence

Q76. Which of the following words is similar to the term "rapidly" mentioned in the passage?
(a) leisurely
(b) subtle
(c) tardy
(d) swiftly
(e) None of the above


Q77. Which of the following sentences can be used to fill the blank (A) in the given passage?
(a) decrease resource productivity
(b) decreased resource productivity
(c) improved resource productivity
(d) improve resource productivity
(e) None of the above.

Q78. Which of the following word is antonym to "diminish" as mentioned in the passage?
(a) expand
(b) curtail
(c) dwindle
(d) truncate
(e) None of the above.

Directions (79-85): Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each which best fits the meaning of the sentence as a whole.

Q79. The state government has received the $\qquad$ from the Centre for these new
$\qquad$ centres.
(a) authorisation-vaccination
(b) approval -gym
(c) demand - government
(d) barge - opened
(e) award - revolution

Q80. Heavy public investment for decades made sure that the state could $\qquad$ universal enrolment and $\qquad$ drop-outs.
(a) support- enhance
(b) achieve- prevent
(c) succeed- stop
(d) get- promote
(e) know-enhance

Q81. The pandemic may have $\qquad$ our ability to $\qquad$ with the external world, but for several Indian women, isolation isn't unfamiliar or new.
(a) exposed-deal
(b) enhanced-join
(c) disturbed-dissociate
(d) limited- connect
(e) effected-mix

Q82. An example of re-identification is companies using browsing history to $\qquad$ and predict the $\qquad$ of individual users on the internet.
(a) identify-behaviour
(b) know-sample
(c) assume-identity
(d) expose-nature
(e) destroy-number

Q83. The state government had $\qquad$ deputy commissioners to $\qquad$ the night curfew in case they feel the need to do so.
(a) joined-address
(b) appoint-handle
(c) many-forbid
(d) told-starve
(e) authorised-impose

Q84. To avoid $\qquad$ his voters, the politician will $\qquad$ from voting on the unpopular bill.
(a) defend-embrace
(b) pretending-indulge
(c) aggression-pacify
(d) interference-menial
(e) offending-abstain

Q85. Dasy may appear $\qquad$ in social surroundings, but once she gets to know you, she is really $\qquad$ .
(a) calm-restrained
(b) quiet-talkative
(c) quiet-subdued
(d) arrogant-loquacious
(e) both (b) and (c)

Directions (86-90): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five options are given. Find out the appropriate word which fits the blank appropriately.

Finance Minister Nirmala Sitharaman has (36) $\qquad$ fiscal deficit for the coming year 2021-22 at 6.8\% of GDP and aims to bring it back below the 4.5\% mark by 2025-26.
The original fiscal deficit target for 2020-21 was $3.5 \%$. However, in reality, the deficit shot up to a high of $9.5 \%$ of GDP due to the double impact of the COVID-19 pandemic - low revenue flows due to the lockdown and negative economic growth(37) $\qquad$ high government spending to provide essential relief to (38) $\qquad$ sections of society, as well as a stimulus package aimed at reviving domestic demand. The government also took the opportunity to bring the food subsidy bill back on the budget books, which includes a one time payment of more than ₹2 lakh crore to the Food Corporation of India (39) $\qquad$ with its accumulated loan from the National Small Savings Fund.
The Centre proposes to make amendments to the Fiscal Responsibility and Budget Management (FRBM) Act, 2003, to reflect these changes to the fiscal consolidation roadmap, said Ms. Sitharaman. She added that the Centre hopes to return to the path of fiscal consolidation by higher tax buoyancy through improved compliance on the one hand, and increased (40) $\qquad$ of its assets, including Public Sector Enterprises and land, on the other hand. She also proposed to augment the Contingency Fund of India from ₹500 crore to ₹ 30,000 crore.

Q86.
(a) pegged
(b) scrambled
(c) been jumbled
(d) increased
(e) All of the above

Q87.
(a) detached with
(b) splitted
(c) clubbed with
(d) separated from
(e) None of the above

Q88.
(a) strong
(b) vulnerable
(c) secured
(d) protected
(e) unsusceptible

Q89.
(a) to deal
(b) to disregard
(c) related
(d) affected
(e) None of the above

Q90.
(a) recession
(b) revenue
(c) monetisation
(d) demand
(e) value

Q91. Which of the following was the first computer language?
(a) COBOL
(b) BASIC
(c) FORTRAN
(d) PASCAL
(e) None of these


Q92. Which type of symbol used in assembly language?
(a) codes
(b) mnemonics
(c) assembler
(d) machine codes
(e) None of these

Q93. What action is performed by pressing Ctrl + E in MS-WORD?
(a) Exit Application
(b) Select All
(c) Clear All
(d) Align Center
(e) None of these

Q94. What is Linux?
(a) Input Device
(b) Operating system
(c) Storage Device
(d) Output Device
(e) Processor

Q95. Which key is used to delete one character at a time to the left?
(a) DEL
(b) CAPS LOCK
(c) CTRL
(d) SHIFT
(e) BACK SPACE

Q96. What is that computer program called which translates one program instruction at a time into machine language?
(a) Compiler
(b) CPU
(c) Assembler
(d) Simulator
(e) Interpreter

Q97. What does a computer system includes?
(a) Hardware
(b) Software
(c) Peripheral devices
(d) All of these
(e) None of these

Q98. An input device that utilizes a light-sensitive detector to select objects on a display screen is known as $\qquad$ _.
(a) Optical scanner
(b) Touch screen
(c) Light Pen
(d) Mouse
(e) Keyboard

Q99. A $\qquad$ is used to direct and dispatch data packets between different networks.
(a) Connection
(b) Bridge
(c) Gateway
(d) Hub
(e) Router

Q100. What does GUI stand for?
(a) Graphic User Interface
(b) Graphical User Interface
(c) Graphic Universal Interface
(d) General Utility Interface
(e) None of these

Q101. To which of the following categories do operating systems and debuggers belong?
(a) System software
(b) Application software

(c) Utilities
(d) Programming Language
(e) All of these

Q102. Which of the following statements is true in the context of Watermark?
(a) A watermark can only be applied to a single page in a document
(b) A watermark is not visible to viewers in a hard copy
(c) A watermark is a ghost text
(d) The colour of a watermark cannot be changed
(e) None of these

Q103. Example of I/O device is a $\qquad$ .
(a) Touch Screen
(b) RAM
(c) Cache
(d) VMware
(e) Chromium

Q104. The DBMS acts as an interface between what two components of an enterprise-class database system?
(a) Database application and the database
(b) Data and the database
(c) The user and the database application
(d) Database application and SQL
(e) None of these

Q105. What type of software must to be used to transform scanned text into a format that can be manipulated?
(a) OCR
(b) CRT
(c) RGB
(d) MIDI
(e) None of the above

Q106. Help Menu is available at which button?
(a) End
(b) Start
(c) Turnoff
(d) Restart
(e) Reboot


Q107. NORTON' is a/an $\qquad$ .
(a) System Software
(b) Anti-Virus Program
(c) Network
(d) Schema
(e) API

Q108. Image can be sent over telephone lines by using-
(a) Larger bandwidth
(b) Fax
(c) Scanner
(d) Cable
(e) None of the above

Q109. What type of computers are client computers (most of the time) in a client-server system?
(a) Mainframe
(b) Supercomputer
(c) Microcomputer
(d) PDA
(e) None of these

Q110. A computer stores data in the $\qquad$ format.
(a) Hexadecimal
(b) Decimal
(c) Octal
(d) Binary
(e) None of these

Q111. The Reserve Bank of India has signed an agreement of USD 400 million currency swap facility with which country?-
(a) Japan
(b) Bhutan
(c) USA
(d) Iran
(e) Sri Lanka

Q112. 10th'2020 october was observed as-
(a) World Mental Health Day
(b) International Day of the Girl Child
(c) World Standards Day
(d) Global Handwashing Day
(e) Pregnancy and Infant Loss Remembrance Day

Q113. Recently a famaous presonality 'Bhupesh Pandya' has passed away. he was a-
(a) Union Minister of State for Railways
(b) Social Activist
(c) Bollywood Film Actor
(d) Indian Classical Dancer
(e) Former Chhattisgarh Minister

Q114. Asian Development Bank (ADB) has appointed Whom as its new Vice President?
(a) Rajeev kumar
(b) Ashok lavasa
(c) V.K. Yadav
(d) Geeta Gopinath
(e) Sanyukta Samaddar

Q115. SCRF is set-up by the Small Industries Development Bank of India (SIDBI).What does ${ }^{\prime} \mathrm{C}^{\prime}$ stands for in SCRF?
(a) Crises
(b) Cash
(c) Company
(d) Commiittee
(e) Current

Q116. Insta FlexiCash facility has been launched by which bank?
(a) Paytm Payment Bank
(b) HDFC Bank
(c) Yes Bank
(d) Axis Bank
(e) ICICI Bank

Q117. 'First Bell' is an Initiative of Which state?
(a) Tamil nadu
(b) Karnataka
(c) Kerala
(d) Assam
(e) Nagaland

Q118. All India Football Federation (AIFF) has launched the web platform " in partnership with the Sports Authority of India (SAI), Named as-
(a) Fit India Youth Club
(b) E-Pathshala
(c) Fit India Freedom Run
(d) Dream 11
(e) Fit India Hackhathon

Q119. Recently, the Union Minister for Tribal Affairs launched programme GOAL at a webinar in New Delhi. What Is the full form of 'L' in GOAL?
(a) Liquidity
(b) Loan
(c) Liability
(d) Liable
(e) Leaders

Q120. e-Gram Swaraj Portal is related to-
(a) To monitor and track the trees plantation along the national highways
(b) To bring in better transparency and strengthening of the e-Governance in Panchayati Raj Institutions (PRIs)
(c) To provide a paper-less microcredit facility for street vendors
(d) To provide support to farmers
(e) To Facilitate farmers to check their payment status, correct their name and eligibility for the scheme.

Q121. An amount of Rs 1,050 crores has been granted as a special liquidity facility to the farmers and economically weaker section of West Bengal state by which Organisation?
(a) NABARD
(b) RBI
(c) World bank
(d) Asain Development bank
(e) Shanghai co-operation Organisation

Q122. Recently, Prime Ministers of India and Australia held their first virtual bilateral summit and both signed how many agreements?
(a) 5
(b) 7
(c) 12
(d) 9
(e) 11

Q123. Project netra is related to-
(a) An early warning system in space to detect debris and other hazards to Indian satellites.
(b) An early warning system to detect the chances of Earthquake.
(c) To Improve the Air quality Index In new delhi.
(d) To provide free eye checkups to the children of age 5-18 years.
(e) None of the above

Q124. CHAMPIONS Portal has been launched by-
(a) Rajnath Singh
(b) Nirmala Sitaraman
(c) Narendra Modi
(d) S.jaishankar
(e) Ram nath Kovind

Q125. Recently, the Global Multidimensional Poverty Index (MPI) 2020 was released by-
(a) UNDP
(b) UNEP
(c) UNHRC
(d) IMF
(e) None of the above

Q126. Researchers at the Indian Institute of Technology in Delhi have developed a web-based dashboard PRACRITI for-
(a) Free web Portal to download e-books
(b) Promoting online Education
(c) Improving Air Quality Index
(d) Predicting the spread of Covid-19
(e) Free medical checkup to poor

Q127. Which surface-to-surfacee supersonic cruise misssile with a strike range of 400 km was succesfully test fired by India in the month of september 2020?
(a) Nag
(b) Agni
(c) Kalinga
(d) Prahaar
(e) Brahmos

Q128. which is the first state to grant 'status of Industry' to sports?
(a) Manipur
(b) Assam
(c) Nagaland
(d) Haryana
(e) Mizoram

Q129. CRR comes under which section of RBI act 1934?
(a) 40
(b) 42
(c) 44
(d) 48
(e) 50

Q130. Recently, India has virtually participated in which edition of G20 Finance Ministers and Central Bank Governors?
(a) 5th
(b) 7 th
(c) 10 th
(d) 3 rd
(e) 8th

Q131. Baglihar Dam is constructed across the Chenab river, situated in which state of India?
(a) Haryana
(b) Rajasthan
(c) Jammu and Kashmir
(d) Punjab
(e) None of these

Q132. Mirzapur is situated on the bank of which river?
(a) Alaknanda River
(b) Ganga River
(c) Chambal River
(d) Adyar River
(e) Brahmaputra river

Q133. The Koyna Hydroelectric power plants located in which state of India?
(a) Maharashtra
(b) Kerala
(c) Andhra Pradesh
(d) Uttarakhand
(e) None of these

Q134. International Women's Day is celebrated every year on
(a) 9th October
(b) 11th July
(c) 7th July
(d) 8th March
(e) None of the above

Q135. Raut Nacha Dance is a folk dance performed in which state?
(a) Himachal Pradesh
(b) Bihar
(c) Jammu and Kashmir
(d) Chhattisgarh
(e) None of these

Q136. Former cricketer and renowned commentator Dean Jones has passed away. From which country he belonged?
(a) England
(b) Australia
(c) South Africa
(d) New Zealand
(e) Ireland

Q137. Where is the Headquarters of Asian Development Bank?
(a) Shanghai, China
(b) Mandaluyong, Philippines
(c) Malaysia, Kuala Lumpur
(d) Geneva, Switzerland
(e) Beijing, China

Q138. Who has been appointed as brand ambassador of Bengal Peerless Housing Development Company Limited?
(a) Sourav Ganguly
(b) Aamir Khan
(c) Viswanathan Anand
(d) Rishabh Pant
(e) Both a \& b

Q139. What is the capital of Mali?
(a) Amsterdam
(b) Luanda
(c) Windhoek
(d) Maputo
(e) Bamako

Q140. On which date International Coffee Day is celebrated annually?
(a) 29 September
(b) 30 September
(c) 1 October
(d) 2 October
(e) 3 October

Q141. Which state has secured first rank in disbursing loans under PM Swanidhi Scheme?
(a) Uttar Pradesh
(b) Karnataka
(c) Madhya Pradesh
(d) Punjab
(e) Andhra Pradesh

Q142. Which company has ranked 1st among Indian PSUs in Forbes' World's Best Employer 2020?
(a) Oil and Natural Gas Corporation (ONGC)
(b) Steel Authority of India Limited (SAIL)
(c) Coal India Limited
(d) National Thermal Power Corporation (NTPC)
(e) Bharat Heavy Electricals Limited (BHEL)

Q143. The first batch of women pilots of Indian Navy have been operationalized on Dornier Aircraft by which Naval command?
(a) Western Naval Command
(b) Southern Naval Command
(c) Northern Naval Command
(d) Eastern Naval Command
(e) Central Naval Command

Q144. he adoption of which state/UT's Panchayati Raj Act 1989 has been approved recently by Union Cabinet?
(a) Assam
(b) Manipur
(c) Daman \& Diu
(d) Jammu \& Kashmir
(e) Arunachal Pradesh

Q145. Which country's Elavenil Valarivan has won gold in women's event of the 2020 International Air Rifle Championship?
(a) China
(b) Japan
(c) India
(d) Vietnam
(e) Malaysia


Q146. Who among the following has been honoured with Outstanding Young Person 2020?
(a) Kritika Pandey
(b) Rattan Lal
(c) Jajini Varghese
(d) Shobha Shekhar
(e) Renjith Kumar

Q147. Who has been appointed as the brand ambassador of Vega?
(a) Rohit Sharma
(b) Viswanathan Anand
(c) Salman Khan
(d) Suniel Shetty
(e) Virat Kohli

Q148. Name the Indian Air Force's first woman officer who passed away recently.
(a) Mitali Madhumita
(b) Vijayalakshmi Ramanan
(c) Usha Padhee
(d) Ashapurna Devi
(e) Shalija Dhami

Q149. Name the Union Minister of State for Culture and Tourism who launched the "Life in Miniature" project recently.
(a) Rao Inderjit Singh
(b) Ravi Shankar Prasad
(c) Dharmendra Pradhan
(d) Jitendra Singh
(e) Prahlad Singh Patel

Q150. For which state/ UT, World Bank has sanctioned Rs 3 crore to develop India's first sand dune parks?
(a) Uttar Pradesh
(b) Karnataka
(c) Goa
(d) Punjab
(e) Andhra Pradesh

Q151. Average age of three persons $A, B$ and $C$ is 30 years. After three years average age of $A, B, C$ and including another person D will 37.5 years. What will be the age of D after six years?
(a) 51 years
(b) 54 years
(c) 57 years
(d) 60 years
(e) 48 years

Q152. Two boat $A$ and $B$ are at a distance of 48 km and ratio of speed of boat $A$ to boat $B$ in still water is $5: 3$. They both start to travel towards each other and meet after 2 hours. Find the downstream speed of boat A if boat A can cover 24 km upstream in 2 hours.
(a) $9 \mathrm{~km} / \mathrm{hr}$
(b) $12 \mathrm{~km} / \mathrm{hr}$
(c) $15 \mathrm{~km} / \mathrm{hr}$
(d) $18 \mathrm{~km} / \mathrm{hr}$
(e) $21 \mathrm{~km} / \mathrm{hr}$

Q153. A container contains milk and water in ratio 5:3. 20 liter of this mixture is taken out and 10 liter of pure milk is added to the remaining mixture of the container. Then, ratio of milk to water in the container becomes $3: 1$. Find initial quantity of milk in the mixture.
(a) 40 L
(b) 34 L
(c) 32.5 L
(d) 25 L
(e) 35 L

Q154. A and B invested Rs. $x$ and Rs. 20,000 for 4 months and 3 months respectively in a business. If ratio of profit share of A and B is $1: 2$ then find the value of ' $x$ '
(a) 8500 Rs.
(b) 7000 Rs .
(c) 9000 Rs .
(d) 8000 Rs.
(e) 7500 Rs.

Q155. A mixture of milk and water in a jar contains $36 \ell$ milk and $12 \ell$ water, $X \ell$ of milk and $(X+8) \ell$ of water added in mixture. If $12 \frac{1}{2} \%$ of new mixture is $10 \ell$, then find how much water added in mixture?
(a) $16 \ell$
(b) $14 \ell$
(c) $22 \ell$
(d) $20 \ell$
(e) $12 \ell$

Directions (156-160): What comes in the place of question (?) marks : -

Q156. 80, 83, 88, 97, 112, ?
(a) 155
(b) 150
(c) 148
(d) 125
(e) 135

Q157. 112, 117, 127, 144, 170, ?
(a) 197
(b) 207
(c) 217
(d) 125
(e) 212

Q158. 5, 6, 14, 45, 184, ?
(a) 925
(b) 950
(c) 840
(d) 620
(e) 580

Q159. 28, 40, 64, 100, ?, 208
(a) 120
(b) 124
(c) 135
(d) 148
(e) 140

Q160. 8, 24, 12, 36, 18, ?
(a) 44
(b) 54
(c) 48
(d) 50
(e) 64

Directions (161-165): Calculate the approximate value of given questions -

Q161. $110.1 \times \frac{419.97}{69.87}+499.9-39.9=$ ? $\%$ of 5600
(a) 15
(b) 25
(c) 20
(d) 10
(e) 30

Q162. $630 \times ?+1199.85-55 \%$ of $15999.93=19.87 \%$ of 9249.87
(a) 12
(b) 18
(c) 20
(d) 15
(e) 8

Q163. $\sqrt{(524.97-489.87)^{2} \div(244.89)^{2}}=?-\frac{251.93}{293.87}$
(a) 6
(b) 1
(c) 7
(d) 5
(e) 4

Q164. $\frac{262.87+?}{6.98}+\sqrt[3]{1330.96}=(18.87)^{2}-289.86$
(a) 187
(b) 177
(c) 167
(d) 157
(e) 147

Q165. $726.98+(13.98)^{2}-\sqrt{528.98}=$ ? $\%$ of 4998.98
(a) 18
(b) 24
(c) 28
(d) 26
(e) 14

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Direction (166-169): Read the data carefully and answer the following questions:
Total 2800 voters in the three villages, i.e. Vasantpur, Govindpur and Vilashpur. Ratio of total voters in Vasantpur, Govindpur and Vilashpur is $27: 18: 25$ respectively. Ratio of male voters in Vasantpur and Govindpur 10:7 and total female voters in Vasantpur are $60 \%$ more than total female voters in Govindpur. Total male voters in Vilashpur are $42 \frac{6}{7} \%$ more than total male voters in Govindpur.

Q166. Total male voters in Vasantpur are what percent more than total female voters in Vilashpur?
(a) $50 \%$
(b) $60 \%$
(c) $55 \%$
(d) $45 \%$
(e) $40 \%$

Q167. Find average number of female voters in Vasantpur and Vilashpur?
(a) 420
(b) 440
(c) 480
(d) 640
(e) 400

Q168. If $65 \%$ and $60 \%$ of total male and female voters are literate in Govindpur, then find total illiterate voters in Govindpur are what percent less than total female voters in Vilaspur?
(a) $33.25 \%$
(b) $31.25 \%$
(c) $35.25 \%$
(d) $30.25 \%$
(e) $29.25 \%$

Q169. Find the ratio of male voters in Govindpur to female voters Vasantpur ?
(a) $6: 7$
(b) $7: 9$
(c) $7: 10$
(d) $7: 12$
(e) $7: 8$

Q170. Rs. 1800 is given at $20 \%$ per annum on SI, while Rs ( $1800-\mathrm{P}$ ) is given at $30 \%$ per annum on CI. If the difference between both interests at the end of two years is Rs 315, then Find P.
(a) Rs. 200
(b) Rs. 300
(c) Rs. 400
(d) Rs. 100
(e) Rs. 500

Directions (171-175): Study the data carefully \& answer the questions.
Table given below shows the no. of bike in different shops \& percentage of bike in bad condition.

| Bike shop | No. of bike | Percentage of bike in <br> bad condition |
| :---: | :---: | :---: |
| A | 3600 | $18 \%$ |
| B | 2400 | $12 \%$ |
| C | 1300 | $26 \%$ |
| D | 4200 | $14 \%$ |
| E | 1800 | $15 \%$ |

Note: No. of bike in each shop $=$ No. of bike in good condition + No. of bike in bad condition.
Q171. No. of bike in good condition in shop B \& E together is how much more than no. of bike in bad condition in shop A \& C together?
(a) 2656
(b) 2646
(c) 2648
(d) 2664
(e) 2668

Q172. No. of bike in bad condition I $n$ shop $A$ is what percentage more than no. of bike in bad condition in shop B?
(a) $110 \%$
(b) $105 \%$
(c) $125 \%$
(d) $115 \%$
(e) $135 \%$

Q173. What is the average of no. of bike in good condition in shop $C$ and $E$ ?
(a) 1236
(b) 1216
(c) 1226
(d) 1246
(e) 1256

Q174. Find the ratio of no. of bike in bad condition in shop B \& D together to $\frac{1}{4}$ th no. of bike in good condition in Shop A?
(a) $146: 123$
(b) $146: 127$
(c) $146: 129$
(d) $149: 126$
(e) $146: 121$

Q175. If $\frac{2}{3}$ rd of bike sold from shop $D$. Then find bike which are unsold from shop $D$ is what percent more than no. of bike which are in bad condition in same shop? (only those bike can be sold which are in good condition)?
(a) $102 \frac{16}{21} \%$
(b) $104 \frac{16}{21} \%$
(c) $106 \frac{16}{21} \%$
(d) $108 \frac{16}{21} \%$
(e) $110 \frac{16}{21} \%$

Q176. A shopkeeper sold a jean in Rs. 950 and made profit of $25 \%$ on $C P$ and sold a shirt in 575 and made a profit of $15 \%$ on CP. If shopkeeper sold jeans in Rs. 720, then find what price should he sold shirt to make a profit of $20 \%$ of both items?
(a) Rs. 792
(b) Rs. 732
(c) Rs. 742
(d) Rs. 752
(e) Rs. 712

Q177. Sum of area of circle and rectangle is $1264 \mathrm{~cm}^{2}$. The diameter of the circle is 28 cm then what will be the sum of circumference of the circle and the perimeter of the rectangle, if length of rectangle is two times of breath?
(a) 144 cm
(b) 196 cm
(c) 136 cm
(d) 164 cm
(e) 256 cm

Q178. Veer spend $20 \%$ and $30 \%$ of his monthly salary on housing rent and child education respectively. $40 \%$ of the remaining is spend on food and clothing in ratio (3:2) and rest are saved. If his total saving is 15000 . Then find his annual salary
(a) 30000
(b) 50000
(c) 600000
(d) 80000
(e) 62000


Q179. 20 men and 35 women can complete a piece of work in ' $y$ ' and ' $y-3$ ' days respectively while 15 men and 20 women can complete same piece of work in ' $x-5$ ' and ' $x$ ' days respectively. If men are $40 \%$ more efficient than women, find ratio of $x$ and $y$ ?
(a) $4: 3$
(b) $7: 1$
(c) $6: 5$
(d) $6: 7$
(e) $7: 8$

Q180. The sum of upstream and downstream speed of a boat is $36 \mathrm{~km} / \mathrm{h}$ and if the boat travels 90 km downstream in 4 hr 30 min , then find the time taken by boat to travel 256 km upstream?
(a) 16 hr
(b) 12 hr
(c) 15 hr
(d) 10 hr
(e) 8 hr

Directions (181-185): Given below is the graph showing the number of students taking admission to two different institutes in the following given years.
$\leadsto$ Institute A $\curvearrowleft$ Institute B


Q181. What is the ratio of $150 \%$ of student taking admission in year 2013 from both institutes to the $125 \%$ of students taking admission in year 2015 from both institutes?
(a) $36: 55$
(b) $55: 57$
(c) $53: 57$
(d) $46: 53$
(e) $51: 57$

Q182. In which year total number of students taking admission in both institutes together the second highest?
(a) 2015
(b) 2013
(c) 2014
(d) 2012
(e) 2016

Q183. Students taking admission in institute A in year, 2010 and 2012 together are what percent of students taking admission in institute B, in year 2013 and 2014 together, if in 2010 students taking admission in institute A is 20\% more than students taking admission in 2011.
(a) $60 \%$
(b) $65 \%$
(c) $85 \%$
(d) $90 \%$
(e) $80 \%$

Q184. Students taking admission in institute A in year 2011, 2013 and 2014 together are what percent more or less than students taking admission in institute B in year 2012, 2013 and 2015 together.
(a) $20 \%$
(b) $16 \%$
(c) $19 \%$
(d) $13 \%$
(e) $15 \%$

Q185. What is the ratio of total students taking admission in institute B to the to students taking admission in institute A overall years -
(a) $23: 27$
(b) $53: 54$
(c) $20: 23$
(d) $49: 43$
(e) $53: 57$

Q186. Veer and Manyu entered into a business by investing Rs. 6000 and Rs. 8000 for $x$ and $(x+4)$ months respectively. At the end, profit share of Veer is 3900 Rs. less than profit share of Manyu. Find the value of $x$ if total profit is Rs. 12900. (in months)
(a) 12
(b) 8
(c) 6
(d) 10
(e) 14

Q187. A can do a work in $x$ days. $B$ is $60 \%$ more efficient than ' $A$ '. They together can do a work in 6 days. Find the value of $x$.
(a) $15 \frac{3}{5}$ days
(b) $14 \frac{2}{5}$ days
(c) $18 \frac{1}{3}$ days
(d) $12 \frac{2}{3}$ days
(e) $11 \frac{1}{3}$ days

Q188. There are two bags A and B. Bag A contains 5 blue balls and x red balls and bag B contains x blue balls and 8 red balls. If one ball is chosen at random from any one bag, then the probability that it is a red ball is $\frac{5}{9}$. Find ' $x$ '
(a) 10
(b) 4
(c) 3
(d) 5
(e) both (a) and (b)

Q189. A train can cover 360 km in T hours and 480 km in ( $\mathrm{T}+4$ ) hours moving at constant speed. Ratio of speed of train to bus is $6: 5$. If train and bus are at a distance of 800 km and they start to move towards each other, then in what time will they meet.
(a) $14 \frac{5}{11} \mathrm{hr}$
(b) $13 \frac{2}{11} \mathrm{hr}$
(c) $15 \frac{5}{11} \mathrm{hr}$
(d) $12 \frac{2}{11} \mathrm{hr}$
(e) $14 \frac{6}{11} \mathrm{hr}$

Q190. Cost price of two articles A and B is in the ratio $2: 3$. If article A is sold $20 \%$ profit and article B is sold at $25 \%$ profit then find the overall profit percentage in selling the both articles.
(a) $25 \%$
(b) $24 \%$
(c) $23 \%$
(d) $22 \%$
(e) $21 \%$

Directions (191-195): Given below is the pie-chart which shows the percentage distribution of total population of Six villages in year 2016


Total Population $=85000$

Q191. If ratio of male to female in village $P$ and village $Q$ is $2: 3$ and $4: 1$ respectively then females in village $P$ are what percent of females from village $Q$.
(a) $200 \%$
(b) $175 \%$
(c) $350 \%$
(d) $360 \%$
(e) $275 \%$

Q192. If in the year 2017 population of village R and S increases by $20 \%$ and $25 \%$ respectively what is the sum of population in these villages in 2017.
(a) 43280
(b) 35275
(c) 37570
(d) 32250
(e) 39450

Q193. If in village $S$ ratio of male to female is $3: 2$ and $20 \%$ males and $10 \%$ females are illiterate the what percent of population in village $S$ is literate
(a) $81 \%$
(b) $82 \%$
(c) $83 \%$
(d) $84 \%$
(e) $85 \%$

Q194. What is the ratio of population of village $P, Q$ and $S$ together to the population of village $R, T$ and $U$ together.
(a) $53: 47$
(b) $48: 53$
(c) $47: 42$
(d) $30: 23$
(e) $33: 32$

Q195. If female from village $R$ and $U$ together equals total population of village $Q$ and female in village $R$ equals to $\frac{200}{3} \%$ of females of village $U$ then number of males in village $U$ is
(a) 6700
(b) 6500
(c) 7800
(d) 6800
(e) 7000

Directions (196-200): In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer
(a) if $x>y$
(b) if $x<y$
(c) if $x \geq y$
(d) if $x \leq y$
(e) if $x=y$ or no relationship can be established

Q196. I. $5 x+7 y=339$
II. $7 x+5 y=321$

Q197. I. $x^{2}-18 x+77=0$
II. $3 y^{2}-25 y+28=0$

Q198. I. $2 x^{2}-12 x+16=0$
II. $y^{2}-9 y+20=0$

Q199. I. $4 x^{2}=9$
II. $2 y^{2}-9 y+10=0$

Q200. $\operatorname{I.} 7 x^{2}+6 x-1=0$
II. $32 y^{2}-20 y+3=0$

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