SSC GD Constable Memory Based Paper (Based on 10th Jan 2023 Exam) - Solutions

S1. Ans.(c)
Sol. $\sqrt{35+1}$ = 6
Similarly,
$\sqrt{63+1}$ = 8

S2. Ans.(b)
Sol.

8 : 81   Similarly,   64 : ? 　(625)
$2^3 : 3^4$　$4^3 : 5^4$

S3. Ans.(d)
Sol.

41,　52,　64,　77,　? (91)
　+11　　+12　　+13　　+14

S4. Ans.(a)
Sol.

　+11　+12　+13
33, 47, 44, 58, 56, ?, 69
　　+11　+12　　70

S5. Ans.(a)
Sol.

F　A　N
M　Z　U → Opposite Letters

Similarly,
M　U　D
W　F　N → Opposite Letters
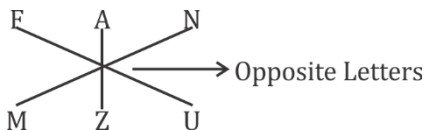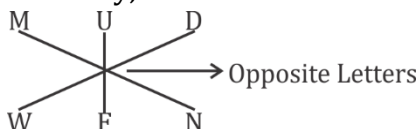
S6. Ans.(c)
Sol. Amit's Position for the bottom.
= (50 + 1) – 15
= 36

S7. Ans.(b)
Sol. (1st number)^2 = 2nd number

S8. Ans.(b)
Sol. Only II conclusion follows.

S9. Ans.(c)
Sol.

Wife
F⁻ ⟷ K⁺ ⟷ L⁺
T⁺　W⁺
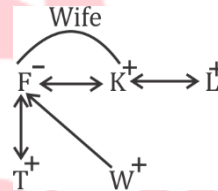
S10. Ans.(c)
Sol. B= 3
H= 5
A= 9
G= 4

S11. Ans.(c)
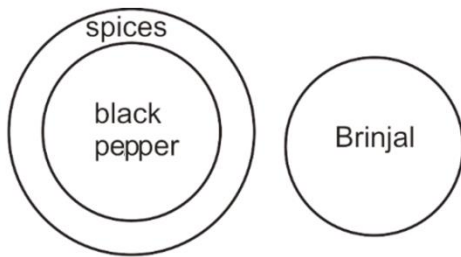**Sol.**
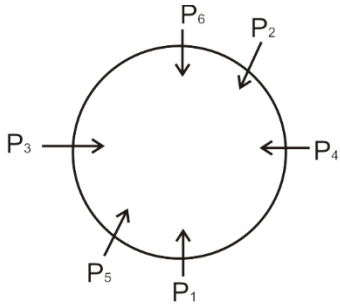
S12. Ans.(c)
Sol. (4+2)×(4-2)= 12
(3+7)×(7-3)= 40
(4+1)×(4-1)= 15

S13. Ans.(b)
Sol. Unit of energy in CGS system in Erg.

S14. Ans.(b)
Sol.

S15. Ans.(b)
Sol. There are 16 triangles in the given figure.

S16. Ans.(d)
Sol. except (D), all others are UTs.

S17. Ans.(b)
Sol. All follows ×7+1 pattern except (B)

S18. Ans.(b)
Sol.
$ → &
% → +
* → ^

S19. Ans.(b)
Sol. People study only 2 subjects = 6 + 5 + 12 = 23

S20. Ans.(a)

S21. Ans.(a)
Sol. Sri Lanka is an island country in South Asia. Sri Jayawardenepura Kotte is its legislative capital, and Colombo is its largest city and financial centre.

S22. Ans.(b)
Sol. Buddha gave his first sermon *at Sarnath in Deer Park near the city of Varanasi in UP.*

S23. Ans.(c)
Sol. Harihar and Bukka were the two brothers, who founded the Vijay Nagar Empire.
It was established in 1336 by the brothers Harihara I and Bukka Raya I of the Sangama dynasty.

S24. Ans.(b)
Sol. Gujarat Titans were the Winner of IPL 2022. In the final, Gujarat Titans beat Rajasthan Royals by seven wickets to win their first IPL title.
The tournament was played from 26 March 2022 to 29 May 2022.

S25. Ans.(c)
Sol. During a national emergency, Article 20 (Protection in respect of conviction for offenses) & Article 21 (Protection of life and personal liberty) cannot be suspended.

S26. Ans.(c)
Sol. Venus has a yellowish appearance when seen from space. Thus, Venus is known as the Yellow planet.
Venus is the second planet from the Sun. It is sometimes called Earth's "sister" or "twin" planet as it is almost as large and has a similar composition.

S27. Ans.(b)
Sol. COP27 was organized in Egypt. The conference took place from 6-20 November 2022 in Sharm el-Sheikh, Egypt.
Next Event will be organized in Dubai.

S28. Ans.(a)
Sol. India ranked 136th in the World Happiness Report 2022.
Finland was ranked first in the list. Finland had been ranked the happiest country in the world five times in a row.

S29. Ans.(a)
Sol. 'Nobody Likes a Joker', this book has been authored by Tash Huckstep, a Year 9 student at The Forest High School, England.
The book, Nobody Likes a Joker, is a mystery fantasy romance based in 19th century England.

S30. Ans.(a)
Sol. Volodymyr Zelenskyy is the sixth and current president of Ukraine since 2019.

S31. Ans.(a)
Sol. CEO & CCO of McCann Worldgroup India, Prasoon Joshi has been appointed by Uttarakhand Government as the state's brand ambassador.
Padma Shri awardee Prasoon Joshi is currently the Chairman of the Central Board of Film Certification (Censor Board).

S32. Ans.(c)
Sol. The Kala Ghoda Arts Festival is a yearly event that takes place in the Kala Ghoda region of South Mumbai. It lasts nine days and always starts on the first Saturday in February and ends on the second Sunday.

S33. Ans.(c)
Sol. The celebrations of 'Janjatiya Gaurav Divas'was inaugurated by the Prime Minister as a part of Azadi Ka Amrit Mahotsav. It was organised by the Ministry of Tribal Affairs.

15th November, which happens to be the birth anniversary of the legendary tribal freedom fighter, Bhagwan Birsa Munda will be celebrated every year as Janjatiya Gaurav Divas'.

S34. Ans.(c)
Sol. 'Jyotipunj' is a book written by Indian prime minister Narendra Modi. Jyotipunj was published in 2009.

S35. Ans.(b)
Sol. Important Provisions related to the Prime Minister of India has been mentioned under Article 75 of the Indian Constitution.
"Article 75" of the Indian Constitution, predominantly deals with the appointment of the Union Council of Ministers by the President of India.

S36. Ans.(b)
Sol. In 2021, the Government of India declared 23 January as Parakram Divas to commemorate the birth anniversary of Subhas Chandra Bose.

S37. Ans.(c)
Sol. The 2022 FIFA World Cup took place in Qatar from 20 November to 18 December 2022, making it the first World Cup held in the Arab world and Muslim world, and the second held entirely in Asia after the 2002 tournament in South Korea and Japan.
Argentina became the champion after winning the final against the title holder France.
It was Argentina's third title and their first since 1986.

S38. Ans.(a)
Sol. A group of singers who perform together in a Church is called a Choir or Chorus.

S39. Ans.(c)
Sol. The Jharkhand Tribal Festival was organised at Morhabadi Ground in Ranchi from 9 to10 August 2022.

S40. Ans.(b)
Sol. The Pung cholom is a dance form originated from Manipur, which is the soul of the Manipuri Sankirtana music and the classical Manipuri dance.

S41. Ans.(b)
Sol. SP = 1170

Loss% = 10% = $\frac{-1}{10}$

CP = ?

CP	SP
10	9
↓ ×130	↓ ×130
1300	1170

S42. Ans.(a)
Sol. Volume of cylinder = $\pi r^2 h$

1694 = $\frac{22}{7} \times 7 \times 7 \times h$

h = 11cm

S43. Ans.(c)
Sol. CI – SI = 400

SI for 2 years = 20%

CI for 2 years = 10 + 10 + $\frac{10 \times 10}{100}$ = 21%

Difference = 21% - 20% = 1%

1% → 400

100% → 40000

S44. Ans.(d)
Sol. 12 × 6 × 15 = P × 12 × 9

P = 10

Number of pipes = 10

S45. Ans.(d)
Sol. Let Principal = 6

Amount = 7

SI = 7 – 6 = 1

SI = $\frac{P \times R \times T}{100}$

1 = $\frac{6 \times R \times 3}{100}$

R = $\frac{50}{9} = 5\frac{5}{9}$%

S46. Ans.(b)
Sol. Distance = Number of rounds × $2\pi r$

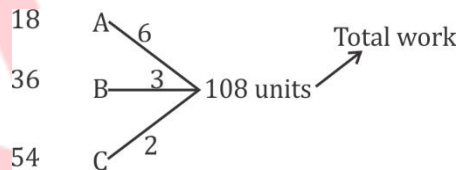60km = $4000 \times 2 \times \frac{22}{7} \times r$

6000,000 = $4000 \times 2 \times \frac{22}{7} \times r$

r = 238.63 ∼ 239cm

S47. Ans.(b)
Sol.

18	A	6		Total work
36	B	3	108 units	
54	C	2		

B work in 5 days = 3 × 5 = 15 units

C work in 10 days = 2 × 10 = 20 units

Required days to complete work = $\frac{(108+15+20)}{11} = \frac{143}{11}$

= 13 days

S48. Ans.(b)
Sol.

	8	:	10	:	12	= 30
	7	:	9	:	11	
15						450

S49. Ans.(b)
Sol. Length of train = $80 \times \frac{5}{18} \times 81 = 1800$ metre

Req. time = $\frac{(1.8+1.2)}{80(km/hr)} \times 60 = 2.25$ minute
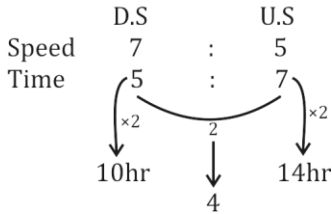
S50. Ans.(b)
Sol. Weight of class = 40 × 23 = 920kg

Weight of New class = 920 + 143 = 1053

New Average = $\frac{1053}{27} = 39$kg

S51. Ans.(b)
Sol. Speed in downstream = 14 km/hr
Speed in upstream = 10 km/hr

Distance = 14 ×10 + 10 × 14 = 280 km

S52. Ans.(a)
Sol. $\frac{2 \times 16}{48} \times 12 + \frac{4}{8} \times 16 + \frac{5 \times 25}{15}$

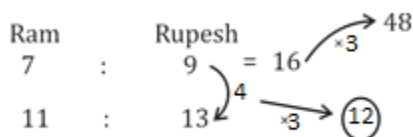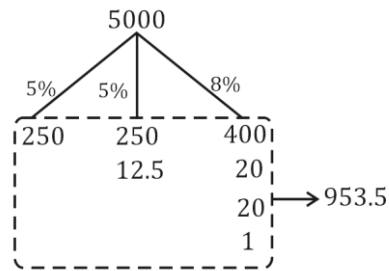$= 8 + 8 + \frac{25}{3} = 16 + \frac{25}{3}$

$= \frac{73}{3}$

S53. Ans.(c)
Sol. Sum of first 12 whole no.$= \frac{11 \times 12}{2} = 66$

Average $= \frac{66}{12} = 5.5$

S54. Ans.(a)
Sol. $\Rightarrow \left(\frac{1}{7} + \frac{1}{7} - \frac{1}{7} + \frac{1}{7}\right) \, of \, \left(\frac{2}{7}\right)$

$\Rightarrow \frac{2}{7} \times \frac{2}{7} = \frac{4}{49}$

S55. Ans.(c)
Sol. diagonal of square = $14\sqrt{2}$ cm = side
Perimeter = $14\sqrt{2} \times 4$
= 56 × 1.41
= 78.96 cm

S56. Ans.(d)
Sol. 77% of x – 40% of x = 129.5
37% × x = 129.5
x = $\frac{129.5}{37} \times 100 = 350$

S57. Ans.(d)
Sol.

S58. Ans.(d)
Sol.

S59. Ans.(c)
Sol.

Req. days = $\frac{11 \times 17}{6} \times \frac{1}{17} = \frac{11}{6} = 1\frac{5}{6}$ days.

S60. Ans.(d)
Sol. Mean proportional = $\sqrt{24 \times 150} = 60$

third proportional = $\frac{6\sqrt{5} \times 6\sqrt{5}}{12} = 15$

Req. Ratio = $\frac{60}{15} = \frac{4}{1}$

S61. Ans.(c)
Sol. Keep the ball rolling- to cause an activity or process to continue.
Use in a sentence- I've started the preparations for the party, but it's up to you to keep the ball rolling.

S62. Ans.(d)
Sol. Melancholy - a feeling of pensive sadness, typically with no obvious cause.
- **Synonyms**- gloomy, **sad**, dejected, disconsolate.
- **Antonyms**– lively, sprightly, gladsome, gleesome.

Meaning of given words:
- **Alleviate-** to make something less grievous.
- **Lively-** full of life and energy; active and outgoing.
- **Placate-** to soothe or mollify especially by concessions.

S63. Ans.(b)
Sol. Feeble- lacking physical strength, especially as a result of age or illness.
- **Synonyms- dull**, dim, exhausted, faded, faint.
- **Antonyms**– strong, robust, active, effective, successful, abundant.

Meaning of given words:
- **Hazard-** any source of potential damage, harm or adverse health effects on something or someone.
- **Burden-** someone or something that is very difficult to accept, do, or deal with.
- **Robust-** strong and healthy; vigorous.

S64. Ans.(a)
Sol. Friendly is an adjective which means something that is adapted for or is not harmful to a specified thing.

S65. Ans.(b)
Sol. Direct Speech- it means reporting the message of the speaker in the exact words as spoken by him.
Indirect Speech- It is speech which tells you what someone said, but does not use the person's actual word.
- Given sentence is in direct speech.
- If 'we' is used as the subject in the reported speech to represent human beings and the statement made in the reported speech is a universal truth, then while changing the speech of the sentence the subject 'we' remains the same.
- Hence, option b fulfils all the above changing rules and is the correct option.
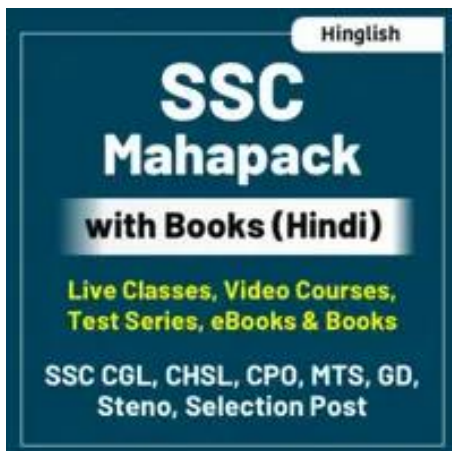
S66. Ans.(b)
Sol. The error lies in part (b) of the sentence.
- Sufficient is an adjective which means enough to meet the needs of a situation or a proposed end.
- Sufficiently is an adverb.
- Collateral is the noun in the given sentence and to describe the noun adjective sufficient should be used.
- Replace 'sufficiently' with 'sufficient' to make the given sentence grammatically and contextually correct.
- Hence, option (b) has the required grammatical error.

S67. Ans.(d)
Sol. Get down to brass tacks- to start to discuss or consider the most important details or facts about something.
- Option (d) portrays the same meaning as that of the given idiom & hence, it is the
- correct choice.
- **Use in a sentence-** After avoiding the thorny question of tax reforms for months, the ruling party finally got down to brass tacks last week and drafted a preliminary proposal.

S68. Ans.(a)
Sol. The word to be filled in the blank is 'with'.
- 'With' is a preposition which means accompanied by (another person or thing)
- Hence, while comprehending the given sentence option (a) makes the sentence grammatically and contextually correct.
- All the other given words have different meaning and do not fit in the context of the sentence.

S69. Ans.(b)
Sol. Of is a preposition used for expressing the relationship between a part and a whole.
- To is a preposition which is used to indicate a goal or a direction of movement, as well as a place of arrival.
- Replace 'of' with 'to' to make the sentence grammatically and contextually correct.

S70. Ans.(b)
Sol. Pragmatic- relating to matters of fact or practical affairs often to the exclusion of intellectual or artistic matters.
- **Synonyms**- pragmatical, hard-headed, prosaic, pragmatic, matter-of-fact, **practical.**
- **Antonyms** – unrealistic, impractical.
- Option (b) portrays the same meaning as that of the given group of words & hence it is the correct choice.

Meaning of other words:
- **Practical-** of or concerned with the actual doing or use of something rather than with theory and ideas.
- **Playful-** someone who likes to have fun and doesn't take things too seriously.
- **Causal-** expressing or indicating cause.
- **Clever-** quick to understand, learn, and devise or apply ideas; intelligent.

S71. Ans.(c)
Sol. Niggard is a noun in the given sentence so article "a" must be used before it.
- The correct option is (c) having the above-mentioned grammatical error.
- Hence the correct sentence formed after correction is:
- Kashif is a niggard and never splits any bill.

S72. Ans.(a)
Sol. The "-Ing" form is used in progressive verb tenses with auxiliary verbs (helping verbs).
- A verb ending in -Ing is either a present participle or a gerund.
- In the given sentence 'used to' must be followed by the Ing from of the verb.
- Change the word 'live' to 'living' as given in option c to make the sentence grammatically and contextually correct.

S73. Ans.(c)
Sol. Meaning of the given words:
- **Sitophobia**- fear of food, is a condition which may last a long period of time and, if not successfully treated, may endanger life.
- **Hydrophobia**- extreme or irrational fear of water, especially as a symptom of rabies in humans.
- **Xenophobia-** dislike of or prejudice against people.
- **Whoopee -** expressing wild excitement or joy.
- Option (c) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S74. Ans.(c)
Sol. Enervate– make (someone) feel drained of energy or vitality.
- **Synonyms-** enfeeble, unnerve, deteriorate, debilitate, relax, unstring, unhinge.
- **Antonyms- strengthen,** brace, invigorate, harden, nerve.
- Option (c) gives the opposite meaning as of the given word.

Meaning of given words:
- **Decelerate-** slow down decelerate a car.
- **Strengthen-** make or become stronger.
- **Deteriorate-** become progressively worse.
- **Aggravate-** make (a problem, injury, or offence) worse or more serious.

S75. Ans.(b)
Sol. Prudent- showing good judgment in avoiding risks and uncertainties; careful.
- **Synonyms**– **wise**, wary, cautious, circumspect, discreet, careful, judicious.
- **Antonyms** – foolish, unwary, incautious, uncircumspect, indiscreet.
- Option (b) gives the same meaning as of the given word.

Meaning of other words:

- **Wise-** having or showing experience, knowledge, and good judgement.
- **Cunning-** having or showing skill in achieving one's ends by deceit or evasion.
- **Frank-** marked by free, forthright, and sincere expression.
- **Severe-** (of something bad or undesirable) very great; intense.

S76. Ans.(d)

Sol. The word that should be filled in the blank is 'conventional' to make the sentence grammatically and contextually correct.

- Conventional means based on or in accordance with what is generally done or believed.
- As per the context, the word 'conventional' fits in very well & hence, it is the correct option.

Meaning of other given words:

- **Critical-** expressing adverse or disapproving comments or judgements.
- **Suitable-** right or appropriate for a particular person, purpose, or situation.
- **Convenient-** fitting in well with a person's needs, activities, and plans.

S77. Ans.(c)

Sol. Criminal- a person who has committed a crime.

- **Assassin-** a person who murders an important person for political or religious reasons.
- **Murderer-** a person who commits murder.
- **Hangman-** an executioner who hangs condemned people.
- Option (c) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S78. Ans.(d)

Sol. Refer and comprehend the given paragraph.

- "The Union Environment Ministry, tasked with safeguarding India's forests and its environmental assets, proposes to amend sections of key environmental legislation and make them less threatening to potential violators. India has eight cornerstone pieces of legislation that define a regulatory framework to ensure that natural resources are not wantonly exploited, acts of pollution are apprehended and there is a mechanism to punish and deter violators."

S79. Ans.(c)

Sol. Refer and comprehend the given paragraph.

- "Under provisions in the existing legislation, violators are punishable with imprisonment up to five years or with a fine up to one lakh rupees, or with both."

S80. Ans.(a)

Sol Refer and comprehend the given paragraph.

- "Serious environmental crimes that cause grave injury or death would invite imprisonment under the Indian Penal Code. These penalties would be decided by an 'adjudication officer' and transferred to an 'Environment Protection Fund.'"

S61. Ans.(c)

Sol. 'मानवीकरण' शुद्ध वर्तनी वाला शब्द है।

S62. Ans.(d)

Sol. 'उच्छृंखल' शुद्ध वर्तनी वाला शब्द है।

S63. Ans.(b)

Sol. 'सदृश' शुद्ध वर्तनी वाला शब्द है।

S64. Ans.(a)

Sol. आनुषंगिक शुद्ध वर्तनी वाला शब्द है।

S65. Ans.(b)
Sol. 'जिस पर अनुग्रह किया गया हो' वाक्यांश के स्थान पर प्रयुक्त होने वाले एक शब्द अनुगृहीत होगा।

S66. Ans.(b)
Sol. जो पहले कभी नहीं हुआ इसका एक शब्द - अभूतपूर्व होगा।

S67. Ans.(d)
Sol. 'जिसमें जानने की इच्छा हो' उसे 'जिज्ञासु' कहते हैं।

S68. Ans.(a)
Sol. क्षणिक का विलोम शब्द 'शाश्वत' है।

S69. Ans.(b)
Sol. जंगम का सही विलोम शब्द स्थावर होगा।

S70. Ans.(b)
Sol. 'उन्मूलन' शब्द का विलोम 'रोपण' होगा।

S71. Ans.(c)
Sol. 'महार्धता' का विलोम शब्द 'अल्पार्धता' होगा।

S72. Ans.(a)
Sol. जीवन का बीता हुआ भाग एकार्थी शब्द 'अवस्था' है।

S73. Ans.(c)
Sol. विकल्प (c) में 'कटक' का अर्थ है- 'सेना' और 'कटुक' का अर्थ है - 'कड़वा'

S74. Ans.(c)
Sol. सही अर्थ वाला युग्म है पायस - पावस = खीर - वर्षा ऋतु

S75. Ans.(b)
Sol. औचक (अचानक घटित होने की अवस्था या भाव) के पर्यायवाची शब्द है - सहसा, यकायक, अचानक।

S76. Ans.(d)
Sol. सिर उठाना मुहावरे का सही अर्थ होगा - विद्रोह करना।

S77. Ans.(c)
Sol. 'भई गति साँप छछून्दर केरी' लोकोक्ति का अर्थ है - दुविधा में पड़ जाना/कश्मकश में पड़ना/बहुत विषम स्थिति में होना ।

S78. Ans.(d)
Sol. 'नौ दिन चले अढ़ाई कोस' से तात्पर्य है - अधिक परिश्रम का थोड़ा फल मिलना।

S79. Ans.(c)
Sol. उपाय वही सही होता है जिसका लोहा विरोधी भी मानें - इसका लिए सही लोकोक्ति है जादू वही जो सिर चढ़कर बोले।

S80. Ans.(a)
Sol. बरस पड़ना मुहावरे का अर्थ है- अत्यधिक क्रोधित होना।