

SNAP 2024 Question Paper

Time Allowed :1 Hour	Maximum Marks :60	Total questions :60
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. No clarification on the Question paper can be sought. Answer the questions as they are.
2. There are 60 multiple choice objective type questions of one mark each which has to be answered in the OMR Sheet. **Total Marks are 60.**
3. Candidates have to indicate the most appropriate answer by darkening one of the four responses provided, with **BLACK/BLUE BALL POINT PEN** in the OMR Answer Sheet.
4. There will be **Negative Marking** for multiple choice objective type questions. 0.25 marks will be deducted for every wrong answer.
5. The candidate shall not write anything on the OMR Answer Sheet other than the details required and in the spaces provided for.
6. After the examination is over, the candidate can carry the test booklet along with candidate's copy of the OMR after handing over the original OMR to the invigilator.
7. The use of any unfair means by any candidate will result in the cancellation of his/her candidature.
8. Impersonation is an offence and the candidate, apart from disqualification, may have to face criminal prosecution.
9. Electronic gadgets like mobile phones, pagers and calculators etc. are strictly not permitted inside the Test Centre/Hall.
10. The candidates shall not leave the hall before the end of the test.

1. In the question below, each passage consists of six sentences. The first (S1) and sixth (S6) sentences are fixed. The middle four sentences P, Q, R, S are jumbled. Find the proper order of the four sentences.

S1: The library is a place where knowledge is preserved and shared with all.

P: Students and researchers often visit to find useful information for their studies.

Q: It houses thousands of books, journals, and digital resources on various subjects.

R: The peaceful environment helps visitors focus and absorb knowledge effectively.

S: Librarians play a crucial role in organizing and maintaining these resources.

S6: Thus, the library serves as a treasure trove of wisdom for generations.

- (a) RSQP
- (b) PQRS
- (c) SQPR
- (d) QSPR

DIRECTIONS (Qs. 2-3): Some proverbs/idioms are given below together with their meanings. Choose the correct meaning of proverb/idiom

2. To burn the midnight oil

- (a) To waste time
- (b) To work late into the night
- (c) To celebrate all night
- (d) To sleep early

3. Hit the nail on the head

- (a) To make a mistake
- (b) To be very precise or accurate
- (c) To get hurt while working
- (d) To start an argument

4. In the following question, choose the word which is the exact OPPOSITE of the given word.

ARDENT

- (a) Indifferent
- (b) Zealous
- (c) Fervent
- (d) Enthusiastic

Topic – Vocabulary: Antonyms (Word Meanings)

DIRECTIONS (Qs. 5-6): In the questions below the sentences have been given in Direct/Indirect speech. From the given alternatives, choose the one that best expresses the given sentence in Indirect/Direct speech.

5. She said, "I have completed my assignment on time."

- (a) She said that she had completed her assignment on time.
 - (b) She said that I have completed my assignment on time.
 - (c) She said that she completed her assignment on time.
 - (d) None of these
-

6. The teacher told the students that the Earth revolves around the Sun.

- (a) The teacher said, "The Earth revolved around the Sun."
 - (b) The teacher said, "The Earth revolves around the Sun."
 - (c) The teacher said, "The Earth is revolving around the Sun."
 - (d) The teacher said, "The Earth had revolved around the Sun."
-

DIRECTIONS (Qs. 7-9): In each question, an incomplete statement followed by fillers. Pick out the best one which can complete incomplete statement correctly and meaningfully.

7. Even though she was unwell,

- (a) she continued working with determination.
 - (b) she decided to go on a long vacation.
 - (c) she avoided taking any rest at all.
 - (d) she stopped working immediately.
-

8. The moment the fire alarm rang,

- (a) everyone ignored it and continued their work.
 - (b) people evacuated the building immediately.
 - (c) the fire brigade arrived instantly.
 - (d) the fire alarm stopped ringing.
-

9. If we don't leave now,

- (a) we will reach the destination early.
- (b) we might miss the train.

- (c) we will have plenty of time to spare.
- (d) we will arrive much before schedule.

10. In the following question, choose the word which best expresses the meaning of the given word.

BENEVOLENT

- (a) Kind
- (b) Cruel
- (c) Selfish
- (d) Hostile

Topic – Vocabulary: Synonyms (Word Meanings)

11. Find the correctly spelt word.

- (a) Artifact
- (b) Artifect
- (c) Arttefect
- (d) Arrtefact

Topic – Vocabulary: Spelling

DIRECTIONS (Qs. 12-13): Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete.

12. The manager's decision to fire the employee was seen as a _____ act of revenge rather than a professional choice.

- (a) vindictive
- (b) malicious
- (c) spiteful
- (d) callous

13. Despite his repeated failures, the entrepreneur remained _____ in his pursuit of success.

- (a) obstinate
- (b) resolute
- (c) relentless
- (d) unwavering

DIRECTIONS (Qs. 14-15): Each question consists of two words that have a certain relationship to each other followed by four pairs of related words. Select the pair that has the same relationship.

14. Choose the pair that best expresses the same relationship as: FLORIST : FLOWERS

- (a) Chef : Food
- (b) Author : Books
- (c) Painter : Canvas
- (d) None of these

15. Choose the pair that best expresses the same relationship as: SENTINEL : WATCH

- (a) Artist : Paint
- (b) Soldier : Battle
- (c) Guard : Protect
- (d) None of these

QUANTITATIVE, DATA INTERPRETATION AND DATA SUFFICIENCY

16. On a certain principal, CI and SI at a certain rate of interest for 2 years is 16560 and 14400 respectively. Find the principal and rate of interest per annum.

- (a) 21,600, 13%
- (b) 20,000, 30%
- (c) 24,000, 30%
- (d) 24,000, 35%

17. $x + y + z = 850$. If x is reduced by 100, y by 25, and z by 50, then $(x - 100) : (y - 25) = 1 : 2$ and $(y - 25) : (z - 50) = 5 : 6$. Find the original value of $x + y$.

- (a) 400
 - (b) 500
 - (c) 550
 - (d) 350
-

18. Find the value of: $\log 87600 + \log 23100 - 8 = ?$

- (a) $\log 8.76 + \log 2.31$
 - (b) $\log 87.6 + \log 23.1$
 - (c) $\log 876 + \log 231$
 - (d) None of these
-

19. Average monthly expenditure for January–June is 3200. He spends 3000 (July), 3600 (Aug), 3900 (Sept), 4200 (Oct). If November's expenditure is 50% of December's and the average for the entire year is 3200, find November's expenditure.

- (a) 1600
 - (b) 1400
 - (c) 1700
 - (d) 1500
-

20. Ram and Shyam are 10 km apart. They both see a hot-air balloon making angles of elevation 60° and 30° respectively. What is the height at which the balloon could be flying?

- (a) $4\sqrt{3}$
 - (b) $5\sqrt{3}$
 - (c) $3\sqrt{3}$
 - (d) $2\sqrt{3}$
-

21. A manufacturer makes 1500 articles at the cost of 120 paisa per article. He fixes the selling price such that if only 1200 articles are sold, he makes 80% profit on the total outlay. However, 240 articles get spoilt and he sells the remaining stock at this price. Find the actual profit percentage on total outlay.

- (a) 84
 - (b) 82
 - (c) 89
 - (d) 86
-

22. Find the missing number in the table.

- (a) 14
- (b) 12

- (c) None of these
 - (d) 10
-

23. In a box, there are 3 red marbles, 3 blue marbles and 7 green marbles. If 2 marbles are picked randomly, find the probability of picking two non-green marbles.

- (a) $\frac{3}{26}$
 - (b) $\frac{5}{26}$
 - (c) $\frac{9}{26}$
 - (d) $\frac{7}{26}$
-

24. 45000 is deposited at compound interest for 4 years. The rates are 6% (1st year), then increase by 1% each year (so 7%, 8%, 9%). Find the approximate amount at the end of 4 years.

- (a) 60000
 - (b) 70000
 - (c) 80000
 - (d) 90000
-

25. A shopkeeper marks 30% above cost and allows a 15% discount. He also uses a faulty balance: sells “1 kg” but delivers only 800 g. Find his actual profit percentage.

- (a) 38.125%
 - (b) 24.425%
 - (c) 32.124%
 - (d) None of these
-

26. Ritu wants to make a trapezium such that AB is parallel to CD . $\angle ABC = 90^\circ$ and $\angle BAD = 45^\circ$. Lengths: $CD = 5$ cm and $BC = 4$ cm. Find the area of the trapezium.

- (a) 20 cm^2
- (b) None of these
- (c) 28 cm^2

(d) 24 cm^2

27. If 100 fewer students had applied and 50 fewer were selected, the ratio selected:unselected would be 7 : 4. In reality, the ratio selected:unselected was 3 : 2. How many students had applied?

- (a) 325
 - (b) 415
 - (c) 375
 - (d) 425
-

28. Find the smallest number between 2000 and 3000 that is exactly divisible by 21, 24 and 28.

- (a) None of these
 - (b) 2000
 - (c) 2352
 - (d) 2016
-

29. Based on the given pattern find the next term of the given series: 5, 6, 16, 57, 244, 1245, ?

- (a) 7506
 - (b) None of these
 - (c) 5500
 - (d) 4047
-

30. There are 3 different types of rice weighing 435, 493, and 551 kg respectively. The rice is packed in bags so that no two types are mixed and *all bags are of equal size*. Find the least number of bags.

- (a) 51
 - (b) 56
 - (c) 57
 - (d) 54
-

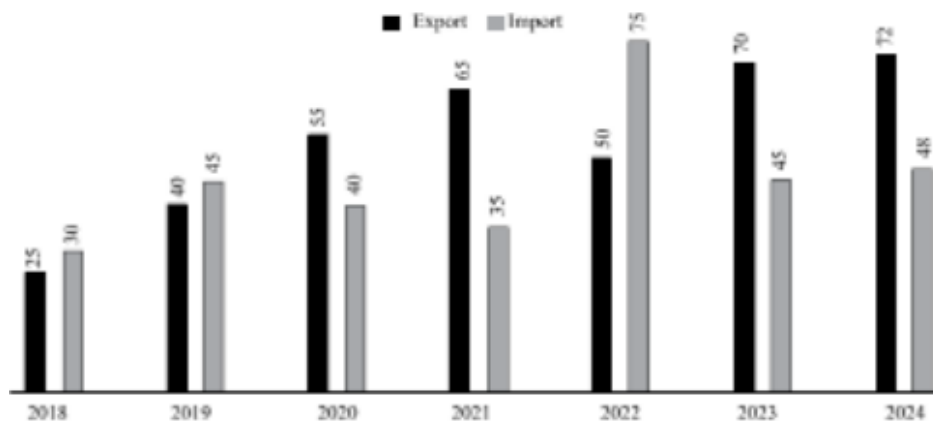
31. 776 is divided among 300 students (boys and girls). Each boy gets 2.40 and each girl gets 2.80. Find the number of girls.

- (a) 130
- (b) 140
- (c) 110
- (d) 120

32. Find $\sqrt{4^{6x^2} \cdot 25^{y/2} \cdot 9 \cdot z^4}$.

- (a) $4^{3x^2} \cdot 5^y \cdot 3z^4$
- (b) $4^{3x^2} \cdot 5^{y/2} \cdot 9z^2$
- (c) $4^{6x} \cdot 25^{y/4} \cdot 9z^2$
- (d) $4^{3x^2} \cdot 5^{y/2} \cdot 3z^2$

33. Below is the Export and Import data of a company. Which year has the lowest percentage fall in imports from the previous year?



- (a) 2021
- (b) 2024
- (c) 2023
- (d) 2020

34. Two oranges, three bananas and four apples cost 15. Three oranges, two bananas and one apple cost 10. How much will I pay for 3 oranges, 3 bananas and 3 apples?

- (a) 10
- (b) 8

- (c) Cannot be determined
 - (d) 15
-

35. Two equal glasses filled with mixtures of alcohol and water in the proportions of 2 : 1 and 1 : 1 respectively were emptied into a third glass. What is the proportion of alcohol and water in the third glass?

- (a) 5 : 7
 - (b) 7 : 5
 - (c) 7 : 6
 - (d) 6 : 7
-

ANALYTICAL and LOGICAL REASONING

36. If 2nd October is Monday, then which day of the week is 2nd November?

- (a) Friday
 - (b) Tuesday
 - (c) Thursday
 - (d) Wednesday
-

42. Find the correct number that will complete the series: 14, 26, 36, 44, 50, ----, 56

- (a) 54
 - (b) None
 - (c) 48
 - (d) 52
-

43. Statement: Company has made it *Compulsory* to mark online attendance using facial recognition software — Notice in an office.

Assumptions: 1) Notice will be read 2) Online attendance will benefit the company

- (a) only 1
- (b) only 2
- (c) Neither
- (d) both

44. Earthquake happened in the ocean. Due to the earthquake, Tsunami waves occurred. Due to the Tsunami there were 192 deaths and loss of 7 million USD of property. Identify the *effects*.

- (a) Death, Tsunami Wave, Property loss
- (b) Damage House, Tsunami Wave, Property loss
- (c) Casualties, Prop Loss, Death
- (d) Tectonic Moment, Death, Earthquake

45. Statements: Some M are L . All H are W . Some W are M .

Conclusions:

- I. All M are W
- II. Some H are L
- III. Some W are H

- (a) None of the statements
- (b) I & III
- (c) Only III
- (d) Only I

46. Angle between the two hands at 5:55 PM is:

- (a) 150°
- (b) 152.5°
- (c) 155.5°
- (d) 125.5°

47. If 9th December, 2007 is Sunday, then what was 8th July, 2007?

- (a) Tuesday
- (b) Thursday
- (c) Friday
- (d) Saturday

48. A cuckoo strikes at regular time intervals. It takes 10 seconds to strike at 6 o'clock. How many seconds will it take to strike at 10 o'clock?

- (a) 10 seconds
 - (b) 15 seconds
 - (c) 16.7 seconds
 - (d) 16 seconds
-

DIRECTIONS (Qs. 49-50): Study the following information carefully to answer the questions that follow:

49. How is Mrs. Mohan related to Sumit?

Adhir Mishra has three children: Urmila, Raghu, and **Sumit**.

Sumit married Roma, the eldest daughter of **Mr. and Mrs. Mohan**.

- (a) Aunt
 - (b) Mother-in-law
 - (c) Mother
 - (d) Sister-in-law
-

50. What is the surname of Sohan?

Sohan and Shivendar are **sons of Sumit and Roma**.

Sumit's father is **Adhir Mishra**.

- (a) Sharma
 - (b) Mohan
 - (c) Mishra
 - (d) Raghu
-

51. Raj travelled from a point X straight to Y at a distance of 80 m. He turned right and walked 50 m, then again turned right and walked 70 m. Finally, he turned right and walked 50 m. How far is he from the starting point?

- (a) 10 metres
 - (b) 20 metres
 - (c) 50 metres
 - (d) 70 metres
-

DIRECTIONS (Qs. 52-53): Read the following information carefully and answer the questions that follow:

- (i) There is a group of five friends.
- (ii) Keshav is second in height but younger than Rekha.
- (ii) Parul is taller than Megha but younger in age.
- (iv) Rekha and Megha are of the same age but Rekha is tallest.
- between them. (v) Nikku is taller than Parul and elder to Rekha.

52. If they are arranged in descending order of their ages, who will be in the third position?

- (a) Parul
- (b) Keshav
- (c) Nikku
- (d) None of these

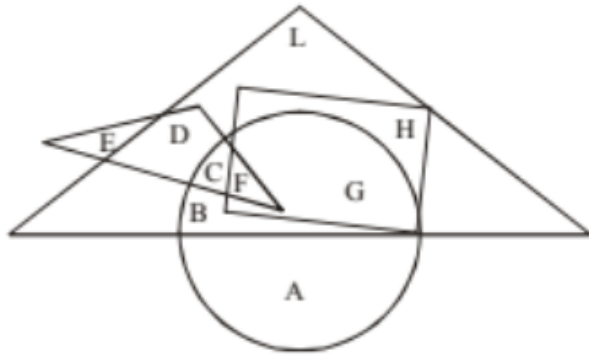
53. If they are arranged in ascending order of their height, who will be in the fourth position?

- (a) Nikku
- (b) Parul
- (c) Rekha
- (d) Keshav

54. If it is possible to make a meaningful word with the second, the fifth and the eighth letters of the word 'CARETAKER', which of the following will be the first letter of that word? If no such word can be made, give X as answer. If more than one such word can be made, give M as the answer.

- (a) A
- (b) E
- (c) X
- (d) M

DIRECTIONS (Qs. 55-56): In the following figure, the smaller triangle represents teachers; the big triangle represents politicians; circle represents graduates and rectangle represents members of Parliament. Different regions are being represented by letters of English alphabet.



On the basis of the above diagram, answer the following questions:

55. Which among the following regions represent the graduates or teachers but not politicians?

- (a) B, G
- (b) G, H
- (c) A, E
- (d) E, F

56. Which among the following regions represent the graduate politicians but not the members of Parliament?

- (a) B, C
- (b) L, B
- (c) D, L
- (d) A, H, L

57. If 'All sweet things are fluids' and 'Some fluids are coloured things', then it implies -

- (a) A, B and C only
- (b) A, and C only
- (c) B, C and D only
- (d) A, C and D only

58. There are four Trees - Lemon, Coconut, Mango and Neem each at a different corner of a rectangular plot. A well is located at one corner and a cabin at another corner. Lemon and Coconut trees are on either side of the gate, which is located at the centre of side, opposite to the side, extremes of which the well and cabin

are located. The mango tree is not at the corner where the cabin is located.
Which of the following pairs can be diagonally opposite to each other in the plot?

- (a) Cabin and Neem tree
 - (b) Coconut tree and Lemon tree
 - (c) Mango tree and Well
 - (d) Neem tree and Lemon tree
-

59. Find the missing letter/number

- (a) D3GH
 - (b) G3HI
 - (c) FGH4
 - (d) FG4H
-

60. Select the combination of numbers so that letters arranged accordingly will form a meaningful word.

- (a) 1, 2, 3, 4, 5
 - (b) 3, 2, 1, 4, 5
 - (c) 5, 2, 3, 4, 1
 - (d) 5, 1, 2, 3, 4
-