

SNAP 2024 Memory Based Question Paper PDF

Section I: General English

1. In the question below, each passage consists of six sentences. The first and sixth sentences are given. The middle four sentences have been removed and jumbled. Find the proper order for P, Q, R, S.

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.

The proper sequence should be:

- (a) RSQP
 - (b) PQRS
 - (c) SQPR
 - (d) QSPR
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. Choose the word which is the exact OPPOSITE of: ARDENT
- (a) Indifferent
 - (b) Zealous
 - (c) Fervent
 - (d) Enthusiastic
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."
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. Choose the word which best expresses the meaning of: BENEVOLENT
- (a) kind
(b) cruel
(c) selfish
(d) hostile
11. Find the correctly spelt word.
- (a) Artifact
(b) Artifect
(c) Arttefect
(d) Arrtefact
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

14. Select the pair that has the same relationship: FLORIST : FLOWERS

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

15. Select the pair that has the same relationship: SENTINEL : WATCH

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

Section II: Quantitative, Data Interpretation & Data Sufficiency

16. On a certain principal, CI and SI at a certain rate of interest for 2 years is 16,560 and 14,400 respectively. Find the principal and rate of interest per annum.

- (a) 21,16,000, 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 reduced by 25, and z reduced by 50, then $x : y = 1 : 2$ and $y : z = 5 : 6$. Find 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) $\log 87.6 + \log 2.31$
- (c) $\log 876 + \log 231$
- (d) None of these

19. Average monthly expenditure for Ravi for January to June is ₹ 3200 / He spends ₹ 3000 in July, ₹ 3600 in August, ₹ 3900 in September, and ₹ 4200 in October. If his expenditure in November is 50% of that of December and his average monthly expenditure for the entire year is ₹ 3200 / then find Ravi's expenditure in the month of November?

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

20. Ram and Shyam are 10 km apart. They both see a hot air balloon in the sky making angles of 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 cost of 120 paisa per article. He fixed the selling price such that if only 1200 articles were sold, he makes 80% profit on outlay. However 240 articles got spoilt and he sold the remaining stock at this price. Find the actual profit percentage as a percentage of total outlay.

(a) 84%

(b) 82%

(c) 89%

(d) 86%

22. Find the missing number in the grid pattern: [3050 | 30, 102 | 5, 8, ? | 5, 3, 6, 4]

			3050			
		30		102		
	5		8		?	
5		3		6		4

(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. ₹ 45,000 was deposited for 4 years at compound interest. The rate was 6% for 1st year, increasing by 1% every year. Find the approximate amount at the end of 4 years.

(a) 60,000

(b) 70,000

(c) 80,000

(d) 90,000

25. A shopkeeper marks 30% above cost price and gives a discount of 15% on marked price. He also uses a faulty balance which uses 1 kg for 800 g. Find his actual profit percentage.

(a) 38.125%

(b) 32.124%

(c) 32.124%

(d) None of these

26. Ritu wants to make a trapezium ABCD where AB is parallel CD. Angle ABC = 90° and angle BAD = 45° . Length of 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. In a school, if 100 students less had applied and 50 less were selected, the ratio of selected to unselected would have been 7:4. How many students had applied if the ratio of selected to unselected was 3:2?

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

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

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

29. Find the next term of the series: 5, 6, 16, 57, 244, 1245, ?

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

30. There are 3 types of rice weighing 435, 493 and 551 kg respectively. The rice is packed in equal-sized bags, with no two types mixed. Find the least number of bags required.

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

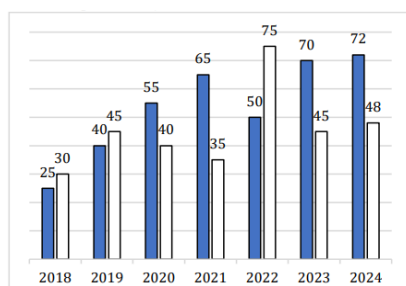
31. ₹ 776 is divided among 300 boys and girls such that each boy gets 2.40 and each girl gets 2.80. Find the total number of girls.

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

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

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

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 . I bought 3 oranges, 3 bananas and 3 apples. How much did I pay?

- (a) ₹10
- (b) ₹ 8
- (c) Cannot be determined
- (d) ₹15

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

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

Section III: Analytical & 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

37. Three thieves M, B and V were caught in a robbery. Each gave one statement; only one is telling the truth.

M: I am innocent. B: I am innocent. V: B is involved in the robbery.

Who was involved in the robbery?

- (a) M
- (b) B
- (c) V
- (d) Cannot be determined

38. A clock was set right on Monday at 3:00 AM but it gains 2 minutes per hour. Find the time shown on the clock when the actual time is 7:30 PM on Tuesday.

- (a) 8:48 PM
- (b) 8:45 PM
- (c) 8:51 PM
- (d) 9:10 PM

39. Find the missing code: L1#1O22, J2#2Q33, _____, F4#4U55, D5#5W66

- (a) H3#3I44
- (b) None of these
- (c) H3#3H44
- (d) E3#3V4~4

40. A introduces B as "She is the wife of the grandson of the father of my father." What is the relationship of B with A?

- (a) Sister-in-law

- (b) Daughter
- (c) Sister
- (d) Mother

41. Narmada Bachao Andolan : Medha Patkar :: Bhudan Andolan : ?

- (a) Vinoba Bhave
- (b) Kailash Satyarthi
- (c) None of these
- (d) Jawahar Lal Nehru

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 earthquake, Tsunami waves occurred. Due to Tsunami there were 192 deaths and losses of 7 million USD of property. Identify the effects.

- (a) Death, Tsunami Wave, Property loss
- (b) Damaged Houses, Tsunami Wave, Property loss
- (c) Casualties, Prop Loss, Death
- (d) Tectonic Movement, 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. The angle between two hands of a clock 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 clock strikes at regular 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

49. How is Mrs. Mohan related to Sumit?

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

50. What is the surname of Sohan?

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

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

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

52. (i) There is a group of five friends. (ii) Keshav is second in height but younger than Rekha. (iii) 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.

If arranged in descending order of age, who will be in the third position?

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

53. Using the same information as Q52, if arranged in ascending order of 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 2nd, 5th and 8th letters of 'CARETAKER', which will be the first letter of that word? If no such word can be made, give X. If more than one such word can be made, give M.

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

55. Based on the Venn diagram [Triangle = teachers/politicians, Circle = graduates, Rectangle = MP], which regions represent graduates or teachers but not politicians?

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

56. Which regions represent graduate politicians but not 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 which conclusions follow?

A. Some sweet things are coloured things B. Some sweet things are fluids
C. All fluids are sweet things D. Some fluids are sweet things

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

58. [Seating Arrangement]: Lemon, Coconut, Mango and Neem trees are at corners of a rectangular plot. Well and cabin are at extremes of one side. Lemon and Coconut are on either side of a gate opposite the well/cabin. The mango tree is not at the corner where the cabin is located. Which can be diagonally opposite?

- (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: B2CD, DE3F,, H5IJ, J6KL

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

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

R=1, A=2, C=3, E=4, T=5

- (a) 1,2,3,4,5

(b) 3,2,1,4,5

(c) 5,2,3,4,1

(d) 5,1,2,3,4

