

SNAP 2025 Memory Based Question Paper PDF

1. The sum of first n terms of an A.P. is $S_n = n^2 + 4n$. Find the 10th term.

- (A) 32
 - (B) 23
 - (C) 46
 - (D) 18
-

2. If $\tan\theta + \cot\theta = 4$, find $\tan^2\theta + \cot^2\theta$.

- (A) 14
 - (B) 16
 - (C) 20
 - (D) 8
-

3. The political opinion piece in the newspaper was a _____ critique of the government's foreign policy, aiming to _____ a strong public reaction.

- (A) forthright – elicit
 - (B) illicit - elicit
 - (C) illicit - illicit
 - (D) explicit - elicit
-

4. The policy was considered a resounding success by almost all economic analysts. Identify the part of speech of 'resounding'.

- (A) Noun
 - (B) Gerund
 - (C) Adverb
 - (D) Adjective
-

5. During the annual board meeting in Kolkata, a major ----- was the company's lackluster performance in overseas markets.

- (A) talking point
 - (B) point of talk
 - (C) talk point
 - (D) breaking point
-

6. The startup pitch was a disorganized mess of disconnected ideas. The presentation was a train wreck from the very first slide. Identify the figure of speech.

- (A) Metaphor
 - (B) Hyperbole
 - (C) Simile
 - (D) Personification
-

7. The CEO's perspicacious analysis of market trends allowed the company to pivot its strategy before competitors, securing an advantage. Identify the Synonym.

- (A) superficial
 - (B) ambiguous
 - (C) astute
 - (D) obstinate
-

8. What is the % growth in the total production from 2018 to 2021?

- (A) 40
 - (B) 53
 - (C) 47
 - (D) 60
-

9. The sum of first n terms of an A.P. is $S_n = n^2 + 4n$. Find the 10^{th} term.

- (A) 32
 - (B) 23
 - (C) 46
 - (D) 18
-

10. A committee of 3 is to be formed from 5 men and 4 women. It must contain exactly 2 men and 1 woman. How many ways can it be done?

- (A) 30
 - (B) 50
 - (C) 20
 - (D) 40
-

11. Find a number that leaves remainder 3 when divided by 7, and 2 when divided by 5.

- (A) 22
 - (B) 38
 - (C) 17
 - (D) 24
-

12. If $\log_{10}(5) = a$ and $\log_{10}(3) = b$, express $\log_{10}(75)$ in terms of a & b .

- (A) $b-a$
 - (B) $2a+b$
 - (C) $a+2b$
 - (D) $a-b$
-

13. Find $\log_5(125) + \log_2(1/16)$

- (A) 0
- (B) 1
- (C) 2
- (D) -1

14. Find x-intercepts of $y = x^2 - 4x + 3$.

- (A) (0,1) & (0,3)
- (B) (1,0) & (3,0)
- (C) (1,0) & (2,0)
- (D) (0,2) & (0,3)

15. In an MBA entrance exam, 55% failed in QA, & 45% failed in VA, and 25% pass in both QA & VA. Find the % of students who failed in both the subjects.

- (A) 15%
- (B) 20%
- (C) 25%
- (D) 30%

16. A shopkeeper marks up the price by 25% and then gives a discount of 20%. If Cost price is Rs. 800, find the Selling Price.

- (A) 780
- (B) 820
- (C) 840
- (D) 800

17. In a Geometric Progression, 3^{rd} term is 12, and 6^{th} term is 96. Find sum of first 5 terms.

- (A) 93
- (B) 186
- (C) 248
- (D) 124

18. A certain sum of money, invested at certain rate of Compound Interest, compounded annually, Amounts to Rs.8820 in 2 yrs and Rs. 9261 in 3 yrs. Find the Principal.

- (A) 8200
 - (B) 7800
 - (C) 7500
 - (D) 8000
-

19. Priya is organizing seating arrangements for a panel discussion in Mumbai. She has 6 panelists: 2 men & 4 women. They need to be seated in a row such that no two men sit together. In how many ways can this seating arrangement be made?

- (A) 576
 - (B) 480
 - (C) 288
 - (D) 144
-

20. Find the next number in the series: 5, 6, 14, 45, 184, ?

- (A) 845
 - (B) 755
 - (C) 965
 - (D) 925
-

21. Sculptor : Chisel :: Author : ?

- (A) Pen
 - (B) Reader
 - (C) Paper
 - (D) Book
-

22. Find the angle between clock hands at 3:40 PM.

- (A) 50°
 - (B) 130°
 - (C) 120°
 - (D) 140°
-

**23. I. Govt increased import duty on electronics.
II. Prices of locally made electronics remain unchanged.**

- (A) Statement I is the cause, and Statement II is its effect.
 - (B) Statement II is the cause, and Statement I is its effect.
 - (C) Both I and II are Ind. causes
 - (D) Both I and II are effects of independent causes
-

24. ARMORY : WEAPONS :: ?

- (A) Hospital : Patients
 - (B) Bank : Loans
 - (C) Aviary : Fishes
 - (D) Warehouse : Merchandise
-

25. 8 people A - H are sitting in line facing north.

I. D sits immediate to the right of A.

II. E sits at the left end.

III. C sits 3rd to the left of D.

IV. B sits immediate right of E.

V. H, B & G sits together with H in middle.

VI. F sits immediately left of A.

Which of the following is the correct arrangement?

- (A) EBHGCEAD
 - (B) EAHDB GFC
 - (C) ACGDHBFC
 - (D) EBHGCADF
-

26. In a certain coding language:

'Study for exam' → Pa Co Ta

'Exam is tough' → ga ni sa

'study tough subject' → lo sa ma

Find the code for 'tough'.

- (A) Lo
- (B) Sa
- (C) Ma
- (D) None of these

27. Find the next term in the series: A1C, D4F, G9I, J16L, ?

- (A) L26P
- (B) M25P
- (C) N25O
- (D) M25O

28. A person's birthday on 21st July was on Wednesday. On what day will the Christmas fall in the same year?

- (A) Monday
- (B) Tuesday
- (C) Wednesday
- (D) Saturday

29. Statements:

Only a few rivers are oceans.

All oceans are seas.

All seas are oceans.

Conclusion:

I. Some rivers are seas is a possibility.

II. All rivers are seas is a possibility.

30. 4 Pilots L, M, N, O flew in F-16, F-22, F-35, SU-57. They finished on rank 1 to 4.

Following is known:

- 1) O finished 2 ranks below L.
- 2) F-35 pilot finished immediately before M.
- 3) N finished 2nd flying F-16.
- 4) L did not fly SU-57.

Find who flew F-22?

- (A) M
- (B) L
- (C) N
- (D) O

31. Find next number in: 7, 8, 12, 21, 37, ?

- (A) 66
- (B) 59
- (C) 62
- (D) 64

32. A is father of B. C is daughter of B. D is brother of B. E is son of C. How is A related to E?

- (A) Brother
- (B) Grandfather
- (C) Uncle
- (D) Great Grandfather

33. Statements:

All pens are pencils.

No pencil is marker.

Conclusions:

- (1) Some pens are markers.
- (2) Some pens are pencils.

34. If $\tan\theta + \cot\theta = 4$, find $\tan^2\theta + \cot^2\theta$.

35. What is the Reflex angle between two hands of a clock at 10:25?

36. The sides of a triangle are 13, 14, 15. Find the area.

37. $\log_2(x) + \log_2(x-2) = 3$

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

38. Difference between SI and CI for 2 year @ 10% is Rs. 150. Find the principal.

39. A can do a work in 12 days and B in 18 days. if they start work together, and after 2 days B leaves then how many days will it take for the work to get completed?

- (A) 7
 - (B) 8.66
 - (C) 9
 - (D) 10.66
-

40. A Train, going at speed of 72 km/h, passes a station (160 meter long) in 18 second. In how much time the train can Cross a man standing on the station?

41. A cylinder has base radius of 7 m and height of 1 m. How much water can it hold? (given: 1000 lt = 1 m³)

- (A) 2,20,000 lt.
 - (B) 2,15,000 lt.
 - (C) 1,54,000 lt.
 - (D) 1,68,000 lt.
-