

SNAP 2020 Question Paper

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

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.

General English

1. What is the meaning of "spilling the beans"?

- (a) To get scared extremely
 - (b) To reveal a secret
 - (c) To manage multiple tasks
 - (d) To conceal the information
-

2. What is the meaning of "Talking nineteen to the dozen"?

- (a) Talking consciously
 - (b) Running hurriedly
 - (c) Keeping up
 - (d) Speaking continuously
-

3. Identify figure of speech in the following sentence: "I wandered lonely as a cloud"

- (a) Simile
 - (b) Personification
 - (c) Onomatopoeia
 - (d) Hyperbole
-

4. Identify figure of speech in the following sentence: "A child is a fire to lit, not a vase to be filled."

- (a) Onomatopoeia
 - (b) Personification
 - (c) Simile
 - (d) Metaphor
-

5. Choose the appropriate word to fill in the blank: What prevented her _____ coming?

- (a) From
 - (b) While
 - (c) In
 - (d) About
-

6. Which conjunction can fill in the following sentence? He had a severe tooth pain _____ he visited a doctor.

- (a) In
 - (b) Lest
 - (c) So
 - (d) Because
-

7. Which Adverb can be filled in the following sentence? He appeared _____ excited to see his mother.

- (a) Slightly
 - (b) Enough
 - (c) So
 - (d) Fairly
-

8. Fill in the blank with the most appropriate word. A _____ of singers

- (a) Class
 - (b) Team
 - (c) Choir
 - (d) Troupe
-

9. Fill in the blank to make the sentence grammatically and contextually correct. The world ----- better place to live.

- (a) will be a better
 - (b) would be a better
 - (c) should be a good
 - (d) would be a good
-

10. Which of the following is correctly spelt?

- (a) Irrerivable
 - (b) Irretrievable
 - (c) Irretreivable
 - (d) Irriteiveble
-

11. Fill in the blank with the appropriate word. He apologized -----.

- (a) Predominantly
 - (b) Proactively
 - (c) Profusely
 - (d) Purportedly
-

12. Fill in the blank with the appropriate phrase. A ship was

- (a) Holed up
 - (b) Halting on
 - (c) Hauled at
 - (d) Heed at
-

13. Which of the following is a compound word?

- (a) Colorado
 - (b) Knowledge
 - (c) Butterfly
 - (d) Raincheck
-

14. What is the meaning of Largesse?

- (a) Globalized
 - (b) Liberal
 - (c) Saturate
 - (d) Acquittal
-

15. Which of the following words is correctly spelt?

- (a) Conseintious
 - (b) Consciention
 - (c) Conscientious
 - (d) Consientious
-

QUANTITATIVE, DATA INTERPRETATION AND DATA SUFFICIENCY

16. Two successive discounts of 10% and 5% are equivalent to a single discount of

- (a) 18.5%
 - (b) 26.5%
 - (c) 14.5%
 - (d) None of these
-

17. P makes a profit of 12% on a transaction. Had he bought the article at 10% less and sold it for 4% less, by what percent his profit percentage would have increased?

- (a) 53.65%
 - (b) 62.25%
 - (c) 19.4%
 - (d) None of these
-

18. A sum of INR 15000 is put on compound interest. This sum becomes 2 times in 5 years at this rate. What would the original sum become after 20 years?

- (a) 60000
 - (b) 225000
 - (c) 140000
 - (d) None of these
-

19. A sum of INR 27800 is invested for 2 years in 2 different schemes, both on simple interest. The rates of interest are 14% and 11% in the 1st and 2nd schemes respectively. The total interest after 2 years is INR 7016. What sum was invested in the 2nd scheme?

- (a) 12800
 - (b) 16200
 - (c) 14600
 - (d) None of these
-

20. A and B can finish a work in 10 days and 15 days respectively. They together work on it for 5 days and then the rest of the work is finished by C in 2 days. They get INR 450 for finishing this work. What should be the shares of A, B, and C respectively?

- (a) A = INR 180, B = INR 120, C = INR 150
- (b) A = INR 225, B = INR 120, C = INR 105
- (c) A = INR 225, B = INR 150, C = INR 75
- (d) None of these

21. There are 10 people in a family: the average age of the 2 grandparents is 64 years; the average age of 2 uncles is 42 years; the average age of the 2 aunts is 38 years and the average age of 4 cousins is 16 years. What is the average age of the family members?

- (a) 32.8
- (b) 40
- (c) 35.2
- (d) None of these

22. The median salaries of 3 B-Schools A, B and C are in the ratio 7:6:5 in the year 2019. The median salaries of these 3 B-schools are in the ratio 3:3:4 in the year 2020. If the median salary of A increased by 20% from 2019 to 2020, by what percent did the median salary of B increase?

- (a) 40%
- (b) 38%
- (c) 18.5%
- (d) None of these

23. The combined age of a mother and daughter duo is 42 years. The product of their ages, 5 years back, was 60 years. What is the present age of the mother?

- (a) 40 years
- (b) 38 years
- (c) 32 years
- (d) None of these

24. A is 2 times B and B is 2 times C. The average of the reciprocals of A, B and C is $\frac{7}{12}$. What is the value of A?

- (a) 2
 - (b) 4
 - (c) 1
 - (d) None of these
-

25. What is the value of $\log 8 / \log 64$?

- (a) 0.25
 - (b) $\frac{1}{3}$
 - (c) 0.5
 - (d) None of these
-

26. Which of the following is a factor of $x^4 + 4x^2 + 3$?

- (a) $x^2 - 1$
 - (b) $x^2 + 3$
 - (c) $x^2 - 3$
 - (d) None of these
-

27. If one of the sides of a square is increased by 20% and the other side of decreased by 20% to get a rectangle, what percent of the area of the square will be the area of this rectangle?

- (a) 96%
 - (b) 4%
 - (c) 60%
 - (d) None of these
-

28. There is a cube of edge 8 cm. This cube is immersed in a water-filled vessel with the dimension of its rectangular base (12 cm × 20 cm). By how many cms will the level of water rise in the vessel?

- (a) 3.75 cm
 - (b) 3.13 cm
 - (c) 2.03 cm
 - (d) None of these
-

29. What is the value of $\sin 45^\circ + \tan 45^\circ$?

- (a) $\frac{\sqrt{2}-1}{\sqrt{2}}$
 - (b) $\frac{2-\sqrt{2}}{2}$
 - (c) $\frac{\sqrt{2}+1}{\sqrt{2}}$
 - (d) None of these
-

30. What is the value of $\frac{\sin 42^\circ}{\cos 48^\circ}$?

- (a) 0.5
 - (b) 1
 - (c) $\frac{\sqrt{2}-1}{\sqrt{2}}$
 - (d) None of these
-

31. What will be the missing term in the series: 11, 88, ..., 6336, 57024, 456192?

- (a) 704
 - (b) 862
 - (c) 764
 - (d) None of these
-

32. A bag has a total of 108 toys. These toys are of 3 different colours: black, green and white. If a toy is taken out randomly, the probabilities of getting a black and a green are $\frac{1}{3}$ and $\frac{4}{9}$ respectively. What is the number of white toys?

- (a) 36
 - (b) 24
 - (c) 51
 - (d) None of these
-

33. The average weight of three men A, B and C is 84 kg. D joins them and the average weight of the four becomes 80 kg. If E whose weight is 3 kg more than that of D replaces A, the average weight of B, C, D and E becomes 79 kg. The weight of A is.

- (a) 65 kg
 - (b) 70 kg
 - (c) 75 kg
 - (d) 80 kg
-

34. The sum of the digits of a number is 10. The difference between this number and a number formed with the same digits, but in the reverse order, is 18. What is the square of the number formed by reversing its digits?

- (a) 2116
 - (b) 4096
 - (c) 1764
 - (d) None of these
-

35. We have 60, 76 and 84 loaves of bread of companies A, B and C respectively. We have to supply these bread to retail stores so that a store has the bread of just one of the

companies and all the stores have the same number of loaves. What can be the minimum number of stores?

- (a) 4
 - (b) 44
 - (c) 55
 - (d) None of these
-

ANALYTICAL AND LOGICAL REASONING

36. Find the missing term of the series: 61, 74, 89, 97, ..., 121, 145

- (a) 117
 - (b) 118
 - (c) 116
 - (d) None of these
-

37. Some As are Bs and some Bs are Cs. Which of the following is necessarily true?

- I. Some As are Cs
- II. All Cs are As

- (a) Only (I) follows
 - (b) Only (II) follows
 - (c) Both (I) and (II) follow
 - (d) Neither I nor II follow
-

38. If $H < G = J$ and $J > K$, then which of the following is necessarily true?

- (I) $H > K$
- (II) $G > K$

- (a) only (I) is true.

- (b) only (II) is true.
 - (c) both (I) and (II) are true.
 - (d) Neither (I) nor (II) are true.
-

39. There are 40 people standing in a row. A is 12th from the left and B is 9th from the right. How many people are there in between A and B?

- (a) 18
 - (b) 19
 - (c) 20
 - (d) None of these
-

40. Create meaningful words from the following and then find the odd one out.

- (a) HIFS
 - (b) TBOA
 - (c) UOBY
 - (d) GATO
-

41. Find the missing term in the series: A15, B10, ---, D3.

- (a) C6
 - (b) C7
 - (c) E3
 - (d) None of these
-

42. You are facing North. You take a right turn and walk for 5 Kms. You again take a right turn and walk for 3 Kms. You now take a left turn and walk for 2 Kms. You now take a 90-degree turn to your left. Which direction are you facing now?

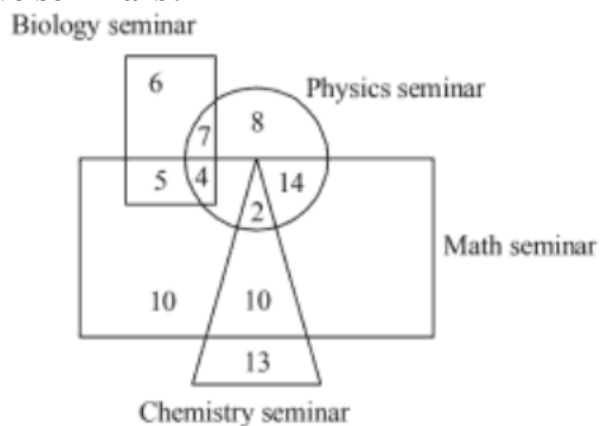
- (a) East
- (b) West
- (c) North
- (d) South

43. Find the missing number that should come at the place of question mark (?).

17	13	19
272	156	342
306	?	380

- (a) 182
- (b) 184
- (c) 187
- (d) 191

44. The diagram below shows the number of people who attended seminars on Physics, Chemistry, Math and Biology. What is the number of people who attended exactly any two seminars?



- (a) 21
- (b) 36
- (c) 38

(d) 42

45. If P means division, T means addition, M means subtraction and D means multiplication, then the value of:

8 D 16 P 32 T 16 D 32 P 64 is:

- (a) 12
 - (b) 23
 - (c) 6
 - (d) 3
-

46. Directions: In this question, a statement is followed by two courses of action numbered I and II. Consider everything in the statement to be true and decide which of the suggested courses of action logically follow(s) for pursuing.

Statement: The government of state 'Y' has decided to remove hutments and buildings that have come up beside the roads to broaden them in city 'A'.

Courses of action:

- I. The government of state 'Y' should rehabilitate the affected residents of hutments/buildings.
- II. The government should compensate the residents of targeted houses with a reasonable amount.

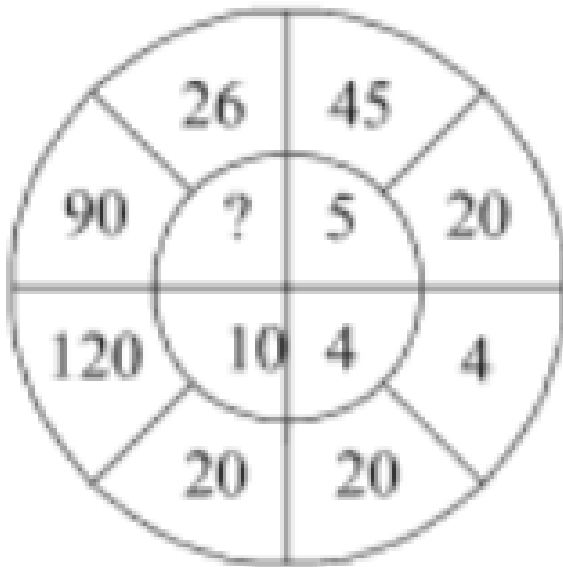
- (a) Only I follows
 - (b) Only II follows
 - (c) Either I or II follow
 - (d) Neither I nor II follow
-

47. Some have suggested a correlation between not wearing polished shoes and being lethargic – that those who don't polish their shoes are generally more lethargic than those who do. This, however, is not the case. I work at the employment exchange and

the majority of the applicants have polished shoes. Which of the following assumptions is made by the author of the argument?

- (a) Lethargy and polished shoes are learned behaviours.
 - (b) People with polished shoes are never unemployed.
 - (c) Lethargy has its origins in an individual's family background.
 - (d) People who apply for employment at the employment exchange are lethargic.
-

48. Find the missing number (?) in the circle puzzle shown.

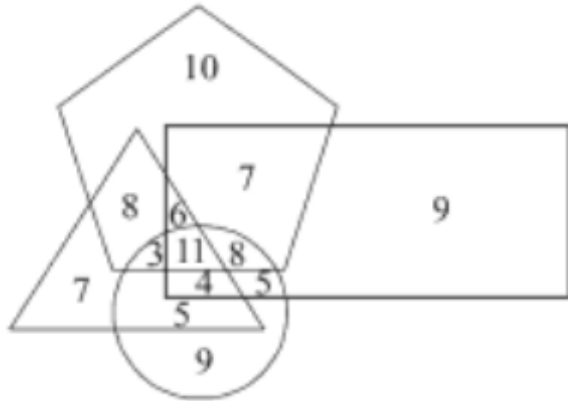


- (a) 18
 - (b) 11
 - (c) 8
 - (d) 7
-

49. If DIP is coded as 172203, then what is the code for "TAKE"?

- (a) 07152418
- (b) 07142418
- (c) 33142418
- (d) 07142518

50. In the following figure, the Pentagon, the Rectangle, the Triangle and the Circle represent the number of students in a class who play Cricket, Soccer, Hockey and Baseball respectively. Which of the following is the highest?



- (a) Number of students who play at least one of Hockey or Baseball.
- (b) Number of students who play exactly two of the sports.
- (c) Number of students who play exactly one of the four sports.
- (d) Number of students who play at least one of Cricket or Soccer.

51. Two adjacent faces of a cube are painted red and out of the remaining sides, two opposite faces are painted green. The cube is then cut into 125 equal smaller cubes. How many smaller cubes will have at most two sides painted?

- (a) 121
- (b) 123
- (c) 117
- (d) 113

52. Prashant forgot his five-digit ATM pin. However he remembers that the ATM PIN has a cube of a number in the 3rd place and prime numbers in the first and the last places. The even prime number is in the 1st place. He also remembers that the digit in the 3rd place is equal to the product of the digits in the 1st and the 2nd places and the

sum of the digits in the 1st and the 2nd places is equal to the digit in the 4th place. The digit in the last place is half the digit in the 4th place. What is his ATM PIN?

- (a) 24863
- (b) 24683
- (c) 26483
- (d) 23468

53. Refer to the sequence of letters given below and answer the questions that follow.

N F C I O R O O I U M N T S M C T U A A N R T I E I C T O A N N T I

If all the vowels from the given sequence are removed, then which letter will be the 8th letter to the right of the 5th letter to the left of the 10th letter from the right?

- (A) R
- (B) T
- (C) C
- (D) S

54. A traveller travels 10 km towards the East from Pune. He then turns 90 degrees towards his right and travels 5 km and again takes a 90 degrees turn towards his right and walks 5 km. What direction is he now with respect to Pune?

- (a) South–West
- (b) South–East
- (c) North–West
- (d) North–East

Directions (Qs. 55-56):

Eight people A, B, C, D, E, F, G and H are sitting on eight chairs kept symmetrically around a circular table, all facing the centre. The following are known:

- (i) F is sitting exactly opposite to C.
- (ii) D is not next to F.
- (iii) H is the only one sitting between G and C.
- (iv) E is sitting two places to the right of B and is not next to F.

55. Which of the following is the correct position of H?

- (a) Left of C
 - (b) Exactly Opposite of B
 - (c) Exactly Opposite of E
 - (d) Cannot be Determined
-

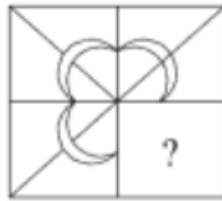
56. Based on the same arrangement, which of the following statements is *not* correct?

- (a) B is to the immediate right of F.
 - (b) G is sitting two places to the left of F.
 - (c) There are only six persons whose sitting positions can be exactly determined.
 - (d) All of these.
-

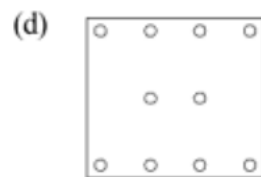
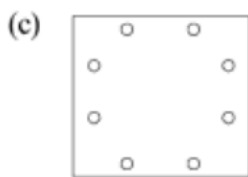
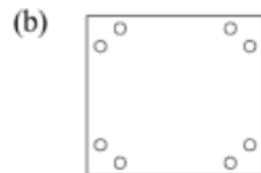
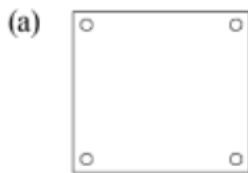
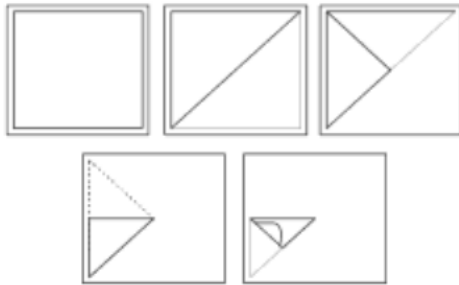
57. There are six persons A, B, C, D, E and F. C is the sister of F. B is the brother of E's husband. D is the father of A and the grandfather of F. There are two fathers, three brothers and a mother in the group. How many male members are there in the group?

- (a) One
 - (b) Two
 - (c) Three
 - (d) Four
-

58. Directions: In the following question, a part of the figure is missing. Find from the given options (a, b, c and d) the right figure to fit in the missing part.



59. A piece of paper is folded and punched as shown in the question figures. From the given answer figures (a), (b), (c) and (d), indicate how it will appear when opened.



60. I. Yes: Studies have shown that breathing in vehicular pollution reaches dangerous levels when the exposure is more than five hours a day.

II. No: Breathing in vehicular pollution for more than five hours a day does not lead to lung cancer as revealed in a study analyzing vehicular pollution.

Which statement is strong?

- (a) Only I is strong.
 - (b) Only II is strong.
 - (c) Both I and II are strong.
 - (d) Neither I nor II are strong.
-