

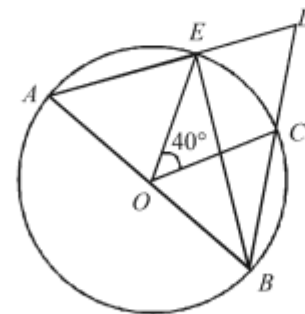
SNAP 2021 Memory Based Question Paper PDF

GENERAL ENGLISH: READING COMPREHENSION, VERBAL REASONING, VERBAL ABILITY

- What is the meaning of the idiom "Don't throw the baby out with the bathwater"?
(a) To remove something good while removing something bad.
(b) To be sent away
(c) To be Angry
(d) To get Scared extremely
- What is the synonym of Copious?
(a) Sparse (b) Plentiful
(c) Sporadic (d) Skimpy
- I shall meet you tomorrow, and I will meet you tomorrow? is any of these sentences American English?
(a) Will-British English, Shall-American English.
(b) Meet you- Both American and British English.
(c) Will - American English, shall - British English.
(d) None
- Jack fell down and broke his crown and Jill came tumbling after. What is the conjunction here?
(a) Came (b) and
(c) Fell down (d) after
- What is the correct spelling?
(a) Nuclei (b) Nuclic
(c) Nuclea (d) Nucliai
- What is the synonym of Horde?
(a) Small group (b) Throng
(c) Streak (d) Camarilla
- What is the meaning of "cut some slack"?
(a) Tell something briefly
(b) Don't be so critical
(c) Avoid saying what you mean, usually because it is uncomfortable
(d) Doing something poorly in order to save time or money
- Today student should be reconciled _____ the way things are changing.
(a) for (b) at
(c) with (d) to
- Identify the figure of speech in the following sentence. the landlady said "I've told you to a thousand times to put a leash on this barbaric dog of yours."
(a) Hyperbole (b) Simili
(c) Personification (d) Metaphor
- A _____ of Japanese artists stepped off the coach amidst warm welcome.
(a) bank (b) gang
(c) troop (d) troupe
- Which one of the following is compound word?
(a) waistcoat (b) notebook
(c) fireman (d) All of the above
- Identify the figure of speech in the following sentence. With a sweet sorrow in her heart, he bid them good-bye.
(a) Synecdoche (b) hyperbole
(c) oxymoron (d) Metaphor
- it took the child a long time to recover _____ the shock
(a) over (b) from
(c) under (d) above
- She was relieved to hear from the doctor that the tumor was not malignant; it was _____.
(a) benign (b) sizeable
(c) exposed (d) discovered
- Choose the correctly spelt word?
(a) Satellite (b) Satelite
(c) Sattellite (d) Sattellite

QUANTITATIVE, DATA INTERPRETATION AND DATA SUFFICIENCY

16. AB is a diameter and O is center. Find $\angle EDC = ?$



- (a) 80° (b) 70°
(c) 50° (d) 90°
17. 2 alloys weighing 30 kg and 60 kg contain copper in different proportions. A piece of equal size is broken off from both alloys and first part of first alloy is mixed with second part of second alloy and same is true for the other two parts. Now both the newly formed alloys have same purity of Copper. Find the size of the alloy broken off
(a) 20 Kg (b) 25 Kg
(c) 10 Kg (d) 15 Kg

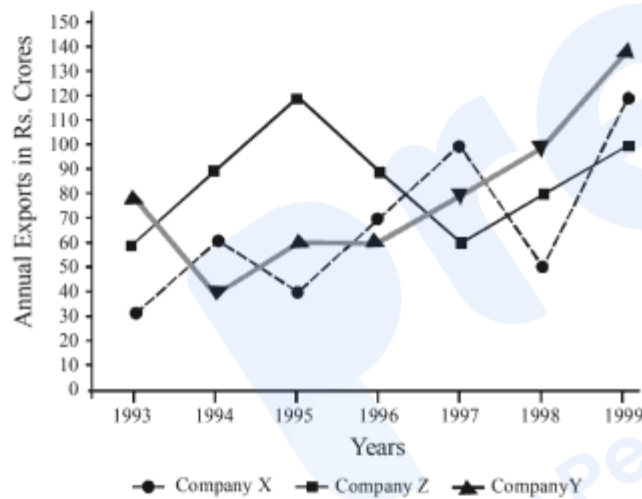
18. Class A , B and C have average scores of 83, 76 and 85 respectively. Average of Class A and B is 79. Average of Class B and C is 81. Find combined average of all classes A , B and C
- (a) 78.6
(b) 80.2
(c) 81.5
(d) 82

19. $\log_{10} 3 + \log_{10}(4x+1) = \log_{10}(x+1)$. Find x

- (a) $\frac{7}{2}$ (b) 4
(c) $\frac{5}{3}$ (d) None of these

20. Study the following line graph and answer the question.

Exports from Three Companies Over the Years (in Rs. crore)



Average annual exports during the given period for Company Y is approximately what percent of the average annual exports for Company Z ?

- (a) 87.12% (b) 89.64%
(c) 91.21% (d) 93.33%
21. $(10^{99} - 1) + (10^{17} + x)$ is entirely divisible by 9. Find x
- (a) 1 (b) 8
(c) 11 (d) 6
22. 50% of journey at 25 kmph, 40% of the journey at 20 kmph and rest at 10 kmph. Find average speed
- (a) 22 Km/hr
(b) 21.5 Km/hr
(c) 20 Km/hr
(d) 24 Km/hr
23. How many numbers bigger than 2000 and smaller than 7000 can be made using 0, 1, 2, 4, 5, 6, 7, 9. Digits cannot be repeated
- (a) 840 (b) 720
(c) 1080 (d) $7! \times 6! \times 5!$

24. A leak in the tank can empty it in 12 min and another leak can empty it in 18 min. In what time will they together empty the tank?

- (a) 8 min (b) 7.2 min
(c) 8.6 min (d) 6.9 min

25. $(2p-1)x^2 + (2p+1)x + C = 0$;

$$(q+1)x^2 + (4q+1)x + 3C = 0.$$

If the above equation have same roots, find $p+q$

- (a) 9 (b) 5 (c) 7 (d) 3
26. A and B speak truth 70% and 80% of the time respectively. What is the probability they will contradict each other?
- (a) 0.42 (b) 0.45 (c) 0.38 (d) 0.36

27. $(6x-3)^9 = a_1x^9 + a_2x^8 + a_3x^7 + a_4x^6 + \dots + a_0$. Find the value of a_0 .

- (a) 6561 (b) -19683
(c) -6561 (d) 19683

28. A seller uses faulty scales that he cheats by 300 gm both at the time of buying and selling and he buys and sells only in packet sizes of 5 kg. If he claims to sell on cost, what is his actual profit percentage.

- (a) 12.77% (b) $13\frac{1}{3}\%$
(c) 14.25% (d) 12.67%

29. A , B and C are relatively coprime. $A * B = 551$, $B * C = 1073$. Find $A + B + C$?

- (a) 87 (b) 79 (c) 91 (d) 85

30. x people can do a job in 5 days. Starting from second day, 3 people were fired every alternate day. Starting from 3rd day, 2 people were hired every alternate day and the work was done in 7 days. Find x ?

- (a) 7 (b) 9 (c) 8 (d) 6

31. Triangle A and B are similar and sides of B are three times that of A . By what percent is B 's area greater than that of A ?

- (a) 300% (b) 500%
(c) 800% (d) 450%

32. Raju has a hollow cylindrical toy which has a surface area of 4620 cm^2 and the area of the base ring is 115.5 cm^2 height is 7 cm. Find the thickness of the toy?

- (a) $\frac{5}{17}$ (b) $\frac{6}{13}$

- (c) $\frac{7}{19}$ (d) $\frac{8}{15}$

33. A ball bounces back to $\frac{4}{5}$ th of the height it was dropped from each time. If it is dropped from a height of 300 m, how far will it travel before coming to rest?

- (a) 2100m (b) 1900m
(c) 2400m (d) 2700m

34. An isosceles triangle has sum of 2 sides as 12. If all sides are integral, how many such triangles are possible?

- (a) 14 (b) 16
(c) 18 (d) None of these

35. 6% of students attempting the exam were from Gujarat and from the state of Assam, same number of people appeared in the exam. 7% of the people cleared the exam which was 80 more than those from Gujarat. How many people from Assam and Gujarat appeared in the paper?
- (a) 960 (b) 846
(c) 780 (d) None of these

ANALYTICAL AND LOGICAL REASONING

36. On 8th December, 2007 Saturday falls. What day of the week was it on 8th December, 2006?
- (a) Sunday (b) Thursday
(c) Tuesday (d) Friday
37. Look at this series : 7, 10, 8, 11, 9, 12 What number should come next?
- (a) 07 (b) 10 (c) 12 (d) 13
38. Which word does NOT belong with the others?
- (a) Parsley (b) Basil
(c) Dill (d) Mayonnaise
39. Which word does NOT belong with the others?
- (a) Inch (b) Ounce
(c) Centimeter (d) Yard

DIRECTIONS (Qs. 40-41) : In these series, you will be looking at both the letter pattern and the number pattern. Fill in the blank of the series.

40. QAR, RAS, SAT, TAU, _____
- (a) UAV (b) UAT
(c) TAS (d) TAT
41. ZA5, Y4B, XC6, W3D, _____
- (a) E7V (b) V2E (c) VE5 (d) VE7
42. On what dates of April, 2001 did Wednesday fall?
- (a) 1st, 8th, 15th, 22nd, 29th
(b) 2nd, 9th, 16th, 23rd, 30th
(c) 3rd, 10th, 17th, 24th
(d) 4th, 11th, 18th, 25th
43. Find “?” in 3, 31, 131, 351, 739, ?
- (a) 1342 (b) 1243
(c) 1346 (d) None of these
44. Three series were given and the wrong number has to be selected : 9, 27, 81; 16, 64, 256; 5, 125, 625.
- (a) 81 (b) 64
(c) 5 (d) None of these
45. Find the degree between 10 am and 4 pm.
- (a) 180° (b) 168°
(c) 157° (d) None of these
46. Today is Saturday, then the day after 69th day will be
- (a) Saturday (b) Friday
(c) Thursday (d) Sunday
47. Join these parts to make a meaningful sentence :
1. I, 2. Immediately, 3. Salary, 4. My, 5. Want
- (a) 43152 (b) 15432
(c) 25143 (d) 42351
48. Find the correct alternative to fill in the blank space :
PHONE : RJQPG :: QUOTE : _____

- (a) ERPVP (b) RVJG
(c) RVPSF (d) SWQVG
49. If DOOR = 25, LOWER = 37, TOWER = 18, then OVER = ?
- (a) 81 (b) 45
(c) 60 (d) 06

DIRECTIONS (Qs. 50-51): In each question below is given a statement followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing.

Give answer

- (a) If only I follows
(b) If only II follows
(c) If neither I nor II follows
(d) If both I and II follow.
50. **Statement:** Since its launching in 1981, Vayudoot has so far accumulated losses amounting to Rs 145 crore.
- Courses of Action:**
- I. Vayudoot should be directed to reduce wasteful expenditure and to increase passenger fare.
II. An amount of about Rs 280 crore should be provided to Vayudoot to make the airliner economically viable.
51. **Statement:** The sale of a particular product has gone down considerably causing great concern to the company.
- Courses of Action:**
- I. The company should make a proper study of rival products in the market.
II. The price of the product should be reduced and quality improved.

DIRECTIONS only for the question 52 to 53: In each of the following questions, two statements numbered I and II are given. There may be cause and effect relationship between the two statements. These two Statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements in each question and mark your answer as:

- (a) If statement I is the cause and statement II is its effect;
(b) If Statement II is the cause and statement I is its effect;
(c) If both the statements I and II are independent causes;
(d) If both the statements I and II are effects of independent causes;
52. I. The employees of the biggest bank in the country have given an indefinite strike call starting from third of the next month.
II. The employees of the Central Government have withdrawn their week long demonstrations.
53. I. The life today is too fast, demanding and full of variety in all aspects which at times leads to stressful situations.
II. Number of suicide cases among teenagers is on increase.

DIRECTION (Qs. 54-55): Read the questions carefully and choose the correct option.

54. **Statement:** Food poisoning due to the consumption of liquor is very common in rural areas
Assumption I: There are more illegal and unauthorised shops selling liquor in villages and rural areas
Assumption II: The ratio of people drinking liquor in villages is much more than that in towns
 (a) Both Assumption I and II follow
 (b) Neither Assumption I nor Assumption II follows
 (c) Only Assumption I follows
 (d) Assumption II follows but Assumption I does not follow
55. **Statement :** The school has decided to cancel the summer camp this year
Assumption I: No entries have been received by the Institution for students willing to join the summer camp
Assumption II: It is being cancelled because the weather is too hot
 (a) Only Assumption I follows
 (b) Only Assumption II follows
 (c) Neither Assumption I nor Assumption II follows
 (d) Either Assumption I or Assumption II follows
56. A's mother is sister of B and daughter of C. D is daughter of B and sister of E. How is C related to E?
 (a) Father
 (b) Grandfather
 (c) Grandmother
 (d) Either Grandfather or Grandmother
57. Read the question carefully and mark the correct option.
 Statements: All Samosas are Jalebi. All Jalebis are Tikki. All Tikkis are Barfi
Conclusion:
 I. All Jalebis are Barfi
 II. All Tikkis are Samosas
 III. All Samosas are Barfi
 IV. All Barfi are Jalebi
 (a) Only I and II follow
 (b) Only I and III follow
 (c) Only II and III follow
 (d) All follow
58. In a certain code language,
 '134' means 'good and tasty';
 '478' means 'see good pictures' and
 '729' means 'pictures are faint'.

Which of the following digits stands for 'see'?

- (a) 9 (b) 2
 (c) 1 (d) 8

DIRECTION (Q.59): A word & number arrangement machine when given an input line of words & numbers rearranges them following a particular rule in each step. The following is an illustration of an input & its rearrangement.

Input: live 26 life 19 king 38 size 42 aim 67 my 71

Step 1 67 live 26 life 19 king 38 size 42 my 71 aim

Step 2 38 67 live 26 life 19 size 42 my 71 aim king

Step 3 26 38 67 live 19 size 42 my 71 aim king life

Step 4 19 26 38 67 size 42 my 71 aim king life live

Step 5 42 19 26 38 67 size 71 aim king life live my

Step 6 71 42 19 26 38 67 aim king life live my size

Step 6 is the last step of the above input as per rules followed in the above steps.

Following is the input which needs to be rearranged as per the above logic.

Input: dream 25 dare 64 enjoy 18 smile 23 spread 47 joy 70

59. In which of the following steps "spread 70 dare" is seen in the same sequence for the first time?

- (a) Step 1 (b) Step 2
 (c) Step 3 (d) Step 4

DIRECTION (Q. 60): Study the following information carefully and answer the questions given below:

Eight persons – Doly, Lali, Mona, Joya, Pinu, Usha, Chaya and Tara, are sitting in a straight line but not necessarily in the same order such that some of these persons are facing south while some are facing north.

Doly faces north. Mona sits third to the left of Usha. Pinu sits third to the right of Mona. Joya sits to the immediate right of Pinu. Joya does not sit at any of the extreme ends of the line. Only one person sits between Chaya and Lali. Pinu sits second to the left of Chaya. Tara sits second to the right of Joya. Both the immediate neighbours of Mona face the opposite direction. Tara faces the same direction as Joya and Doly faces the same direction as Chaya. Usha sits at one of the extreme ends of the line.

60. How many person(s) sit between Joya and Doly?

- (a) Three (b) Two
 (c) One (d) None