

SNAP 2023 Memory Based Question Paper PDF

SNAP 2023 Verbal Ability

- Given below are the statements with blanks. You are required to fill in the blanks with the appropriate option so that the sentence has correct tense.
We _____ to the beach when it started raining.
 - went
 - have gone
 - were going
 - had gone
- In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase:
Salt of the earth
 - There's a good aspect to every bad situation
 - Reverse the situation
 - To be practical and sensible.
 - Being honest and good
- Identify the prefix word in the given sentence:
The multilingual tour guide expertly navigated the group through the crowded streets of the city, providing fascinating historical anecdotes and insights in multiple languages.
 - anecdotes
 - multilingual
 - insights
 - navigated
- Select the word which is opposite in meaning to the given word.
WHODUNIT
 - conundrum
 - enigma
 - manifest
 - innuendo
- Identify the correct part of speech of the highlighted words in this paragraph:
"In the bustling city, cars zoomed past, honking their horns impatiently. People hurriedly walked along the crowded sidewalks, clutching their umbrellas tightly as rain poured down. Laughter echoed from nearby cafes, filling the air with a cheerful ambience. Streetlights illuminated the darkening streets, creating a warm glow."
 - Horns - Verb, Hurriedly - Adverb, Ambience - Adjective
 - Horns - Adverb, Hurriedly - verb, Ambience - Adjective
 - Horns - Verb, Hurriedly - Adverb, Ambience - noun
 - Horns - Noun, Hurriedly - Adverb, Ambience - Noun
- Which type of figurative language has been used in the sentence given below:
The alarm clock buzzed at the time I was going to the bathroom.

- a) Onomatopoeia
b) Personification
c) Hyperbole
d) Alliteration
7. In the following question, a sentence has been given in Active/Passive Voice. Select the one which best expresses the same sentence in Passive/Active Voice.
The electricity bill was paid by Arjun.
a) Arjun pays the electricity bill.
b) Arjun had paid the electricity bill.
c) Arjun paid the electricity bill.
d) Arjun has paid the electricity bill.
8. In the following question, a sentence has been given in Direct/Indirect speech. Select the one which best expresses the same sentence in the Indirect/Direct speech.
They said that they had won the competition.
a) They said, "We won the competition".
b) They said, "We are winning the competition".
c) They said, "We will win the competition".
d) They said, "They had won the competition".
9. Choose the part of the sentence that contains a grammatical error:
There are degrees of greatness, (1)/ and there is a universal tendency (2)/ to think of the animals that have become extinct (3)/ as much greater than those of the present day. (4)
a) 1
b) 2
c) 3
d) 4
10. Identify the word which is similar to the meaning of the word given in capital letters.
SEQUESTER
a) isolate
b) remain
c) urge
d) wish
11. In the following question, four words are given out of which one word is incorrectly spelt. Select the incorrectly spelt word.
a) tyranny
b) miniature
c) visious
d) hierarchy
12. Which of the following is the meaning of the word given below?
ipso facto

- a) As per the fact
 - b) In fact
 - c) by the fact itself
 - d) in spite of the fact
13. Sachin played _____ matches per year towards the end of his career. That was because he had _____ time on his hands than before.
- a) less, lesser
 - b) fewer, less
 - c) fewer, fewer
 - d) lesser, lesser
14. The government's _____ to ban cow slaughter has not _____ down well with certain sections of the society.
- a) decision, gone
 - b) action, went
 - c) order, get
 - d) suggestion, acted
15. The butterflies _____ the insects are what the birds are among the higher animals—the most attractive and beautiful members of the great group to which they _____.
- a) along, reside
 - b) among, belong
 - c) between, exist
 - d) amid, form

SNAP 2023 Analytical & Logical Reasoning

16. Read the following passage and choose the option that cannot be said to be an implicit assumption:
The pollution level in the city has skyrocketed in the past few months. The city corporation, in an attempt to curb the pollution, has made it mandatory for all vehicles to be fitted with catalytic converters. Also, it has proposed a policy by which only vehicles of a particular parity (odd or even numbered vehicles) can be driven on a particular day.
- a) Pollution from causes other than vehicles is negligible.
 - b) Restricting the vehicles that can be driven will force people to opt for alternative modes of transport or to pool the resources.
 - c) Vehicles are one of the major contributors to the pollution in the city.
 - d) Catalytic converters help to reduce the harmful emissions of the vehicles.
17. Decide which of the assumptions is implied in the statement:
Statement: Watching TV for long hours also causes obesity.
Assumption 1: There are many causes of obesity of which watching TV is one.
Assumption 2: Watching TV for short hours doesn't cause obesity.
- a) Only assumption 1 is implicit
 - b) Only assumption 2 is implicit

- c) Either assumption 1 or assumption 2 is implicit
d) Neither assumption 1 nor assumption 2 is implicit
18. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.
(A) The glaciers at the poles of the earth are melting at a fast rate.
(B) In recent times there has been a substantial increase in the incidents of earthquakes and volcanic eruptions.
- a) If statement (A) is the cause and statement (B) is its effect.
b) If statement (B) is the cause and statement (A) is its effect.
c) If both the statements (A) and (B) are effects of independent causes.
d) If both the statements (A) and (B) are independent causes.
19. Determine the cause and effect relationship between the statements:
I. China's economy is experiencing remarkable growth.
II. The standard of living in China has been growing since last few years.
- 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 the statements I and II are independent causes
d) Both the statements I and II are effects of independent causes
20. Should a terrorist who has killed a large number of people be executed?
Arguments:
I: Yes, since killing him will set a good precedent and prevent any future damage he is likely to cause had he been alive.
II: No, since killing a person is a violation of human rights.
- a) Only argument I is strong
b) Only argument II is strong
c) Either of the arguments is strong
d) Neither of the arguments is strong
21. Should we ban weed (a plant used for drug production)?
Argument 1: Yes, as weed leads to health problems and mental instability, leading to increase in crime rates.
Argument 2: No, a good chunk of people from hilly terrains depend on weed cultivation for their economic sustenance.
- a) Only argument 1 is strong
b) Only argument 2 is strong
c) Either argument 1 or argument 2 is strong
d) Both arguments 1 and 2 are strong
22. Decide which of the suggested courses of action logically follow(s) to pursue:
Statement: The pollution levels in a city have reached hazardous levels, posing significant risks to the health and well-being of its residents.
Course of Action I: Implement strict emission control regulations and standards for industries and vehicles to reduce pollution levels.
Course of Action II: Promote and incentivize the use of public transportation and carpooling to decrease the number of vehicles on the road.

- a) Only I
b) Only II
c) Neither I nor II
d) Both I and II
23. Statement: Chotu was caught by school principal for cheating in exams fourth time this year despite giving warning by the principal.
Courses of action:
I. Since warnings were clearly given earlier, Chotu must be rusticated from school.
II. School authorities must specially start conducting open book exam for children like Chotu.
- a) if only I follows.
b) if only II follows.
c) if either I or II follows.
d) if neither I nor II follows.
24. Statement: Should unauthorized buildings in the city be demolished?
Conclusions:
I. Yes, this will give out a clear message to builders to stop building any such new structures.
II. No, there will be people residing in such buildings.
- a) Only argument I is strong
b) Only argument II is strong
c) Either I or II is strong
d) Neither I nor II is strong
25. In a certain code language:
"happy life is forever" is coded as "ky st oi lm"
"match risky is betting" is coded as "le oi pn az"
"key to be happy" is coded as "lm dk kr fc"
"bottle life to match" is coded as "le rc st dk"
"fc" is the code for which of the following?
- a) key
b) Happy
c) to
d) Either key or be
26. In a certain code language, 'CRICKET' is written as 'DTLGPKA' and 'SUNNY' is written as 'TWQRE', then what is the code for 'BANNER'?
- a) DCQRJX
b) CBQQJX
c) CCQQJX
d) CCQRJX
27. A is son of the father of B. D is the mother of the granddaughter of C. E is the daughter of B and D is married to B. K is A's son. How is K related to E?
- a) Brother
b) Cousin

- c) Uncle
d) Nephew
28. A man goes to a party and meets Rakesh, who is the man's mother's only son's daughter's husband. How is the man related to Rakesh?
- a) cousin
b) father-in-law
c) brother
d) son-in-law
29. A series is given with one missing term. Choose the correct alternative:
24, 26.5, 21.5, 29, 19, ?
- a) 29.5
b) 33
c) 31.5
d) 27.5
30. Identify the incorrect term of the series: 13, 14, 27, 81, 320, 1605
- a) 81
b) 14
c) 27
d) 1605
31. Find the next term in the series: BYXCDW, CXWDEV, DWVEFU, ?
- a) EVUFGT
b) EUVFTG
c) EVGTUF
d) EVTGFU
32. Which of the following options follow the same rule as the terms given below: OEG, RHJ, WMO, ?
- a) VKD
b) ZPR
c) XMQ
d) ULP
33. Choose the one which does not belong to that group:
- a) GMJ
b) MQO
c) KPM
d) DHF

34. Decide which of the given conclusions follow from the statements:
Statement I: Some planets are stars.
Statement II: Some stars are satellites.
Statement III: All satellites are meteors.
Conclusion I: All stars are meteors.
Conclusion II: Some planets can be meteors.
- a) Conclusion I follows
 - b) Conclusion II follows
 - c) Both conclusion I and conclusion II follow
 - d) Neither conclusion I nor conclusion II follow
35. Today is Saturday. After 243 days, it will be:
- a) Monday
 - b) Tuesday
 - c) Wednesday
 - d) Thursday
36. P said, "Q likes cricket." Q said, "I don't like cricket." R said, "P is lying." If only one person tells the truth, who are the liars?
- a) P and R
 - b) Q and R
 - c) P and Q
 - d) None of these
37. What is the angle between the minute and hour hands of the clock at 8:40 PM?
- a) 10 degree
 - b) 15 degree
 - c) 20 degree
 - d) 18 degree
38. If the angle between 2 hands of a clock is 35 degrees and the hour hand is between 3 and 4, what time does the clock show?
- a) 10 minutes past 3
 - b) $22\frac{8}{11}$ minutes past 3
 - c) $23\frac{7}{11}$ minutes past 3
 - d) both a and b
39. P, Q, R, S, T, U, V and W are six friends seated in a row facing north. V is second to the right of U. S is third to the left of Q. There are 3 people between P and W and neither P nor W are at the ends. W is to the right of P. There are 4 people between R and T with R left of T. There are 3 people between T and U. Pick the odd one out:
- a) RU
 - b) VT
 - c) ST
 - d) WQ

40. Machine Input: pepsi 56 coke sprite 12 fanta 32 48 rasna 15. Following the logic provided, how many steps are required for Input: 68 fly 24 38 pig 91 star 56 eagle air?
- a) 1
 - b) 2
 - c) 3
 - d) 4

SNAP 2023 Quantitative Aptitude & Data Interpretation

41. By selling a T-shirt at 25% discount, Ramu manages to earn a profit of 20%. How much above the cost price did he mark the T-shirt?
- a) 50%
 - b) 60%
 - c) 40%
 - d) 30%
42. A local train speed 36 Km/hr leaves Thane station and after 30 mins Chennai express leaves Thane at 72km/hr. How much time for Chennai express to completely overtake the local train?
- a) 1550 sec
 - b) 1600 sec
 - c) 1800 sec
 - d) 1650 sec
43. A boat takes 4 hours to travel from P to Q upstream. Distance PQ is 20 km. Speed of boat in still water is 3 times stream speed. How much time to travel from Q to P downstream?
- a) 3 hours
 - b) 2 hours
 - c) 90 minutes
 - d) 75 minutes
44. a, b, c, d are 4 distinct even natural numbers less than 10. The highest power of 2 that will definitely divide the product of these 4 numbers is:
- a) 32
 - b) 64
 - c) 128
 - d) 256
45. It is given that $k^4 + \frac{1}{k^4} = 47$ (where $k > 0$), then find the value of $k^3 + \frac{1}{k^3}$.
- a) 18
 - b) 27
 - c) 9
 - d) 12

46. A card is drawn from a pack of 100 cards numbered 1 to 100. Find the probability of drawing a number which is a square.
- a) $\frac{2}{5}$
 - b) $\frac{3}{15}$
 - c) $\frac{7}{10}$
 - d) $\frac{1}{10}$
47. 5 red, 4 blue and 3 green balls are in a bag. Two balls are drawn at random. What is the probability that none of the two balls drawn is red?
- a) $\frac{7}{12}$
 - b) $\frac{3}{22}$
 - c) $\frac{5}{12}$
 - d) $\frac{7}{22}$
48. What is the sum of 2-digit numbers that are divisible by either 5 or 7?
- a) 1580
 - b) 1568
 - c) 1673
 - d) 1668
49. Survey: At least 70% read Hindu, 75% read TOI, 80% read Deccan Chronicle. What is the minimum percentage of people who read all three?
- a) 20%
 - b) 25%
 - c) 22%
 - d) 26%
50. Five spheres, each of radius 3 cm, are melted to form a new cylinder of the same radius. What is the height of the cylinder formed?
- a) 30 cm
 - b) 20 cm
 - c) 75 cm
 - d) 45 cm
51. If (3,2) is the centroid of a triangle of vertices A(x,1), B(4,6) and C(-1, y) then find the value of (x+y).
- a) 3
 - b) -5
 - c) 5
 - d) -3
52. Find the radius of the circle that circumscribes an equilateral triangle of side 6 cm.
- a) $3\sqrt{2}$ cm
 - b) $\sqrt{3}$ cm

- c) $\sqrt{2}$ cm
 d) $2\sqrt{3}$ cm

53. Using the provided Movie Viewers table: The total number of viewers on Friday is approximately what percent greater than the number of viewers on Monday?

	W	X	Y	Z
Monday	120	94	136	46
Tuesday	98	87	144	84
Wednesday	110	123	120	88
Thursday	135	140	150	94
Friday	175	160	186	125

- a) 56%
 b) 63%
 c) 54%
 d) 67%
54. Using the Students table: In section B, if 20 girls passed, what is the ratio of girls who passed to boys who passed?

Data related to the students of 5 sections			
Sections	Number of students in the section	Percentage of the students who passed	Ratio of girls who passed to boys who passed
A			2 : 3
B	80	40%	
C		50%	3 : 4
D	90		5 : 6
E	60	90%	

- a) 1 : 2
 b) 2 : 1
 c) 5 : 3
 d) 3 : 5
55. How many pairs of letters are there in the word 'ACADEMICS' which have as many letters between them as in English alphabetical series (both directions)?
- a) 3
 b) 2
 c) 4
 d) 5
56. A father is thrice as old as his son now. Six years before he was five times the age of his son. What was the age of father at the time of birth of his son?
- a) 36 years
 b) 24 years
 c) 22 years
 d) 30 years

57. Given $\frac{1}{\log_{a+1}(91)} + \frac{1}{\log_{b+1}(91)} = 1$. If a, b are integers, find the value of a+b.
- a) 18 b
 -) 90
 - c) 92
 - d) Cannot be determined
58. A and B complete work in 40/3 days. B and C in 80/3 days. A and C in 16 days. How many days can A, B and C together complete the work?
- a) 80/7 days b
 -) 12 days
 - c) 80/9 days
 - d) 13 days
59. Solution A has alcohol:water = 1:3. Solution B has alcohol:water = 4:5. If mixed in equal quantities, what is the ratio of alcohol and water in the final mixture?
- a) 33 : 67
 - b) 25 : 47
 - c) 44 : 69
 - d) 8 : 9
60. Appu and Babu's weights are in ratio 5:6. If Appu's weight reduces by 10 kilos, the ratio becomes 2:3. What is Babu's weight?
- a) 30
 - b) 40
 - c) 50
 - d) 60