

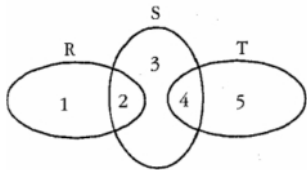
1. A survey is conducted to find the most popular food among eighth-grade students at a school. Which of the following sampling methods would give the most accurate results?

- A. Choose every fourth student in an alphabetical list of all eighth-grade students
- B. Choose every eighth-grade teacher and every eighth-grade parent
- C. Choose every fourth student in an alphabetical list of all eighth-grade girls
- D. Choose every eighth-grade student athlete

Answer:: A

[YagnaQRefNo: 3-4] [Q Level: Unknown] [Analytical And Logical Reasoning]

2. In the given diagram, R represents businessmen, S represents rich men and T represents honest men. Which number will represent honest rich men?



- A. 2
- B. 3
- C. 5
- D. 4

Answer:: D

[YagnaQRefNo: 3-110] [Q Level: Unknown] [Analytical And Logical Reasoning]

3. Find the missing symbol $(8 \times 8) \div (7 \times 7) = 15$

- A. +
- B. -
- C. \times
- D. \div

Answer:: B

[YagnaQRefNo: 3-76] [Q Level: Unknown] [Analytical And Logical Reasoning]

4. Gaurav, Prahat, Ravi, and Saloni each grew a crystal for a school project. They measured and recorded the heights of their crystal in millimeters, as shown below.

Student	Height (mm)			
	Start	Day 2	Day 4	Day 6
gaurav	0	2	6	12
prabhat	0	1	2	6
Ravi	0	4	8	12
saloni	0	4	12	4

Which student's crystal grew proportionally over time?

- A. Gaurav
- B. Prabhat
- C. Ravi
- D. Saloni

Answer:: C

[YagnaQRefNo: 3-106] [Q Level: Unknown] [Analytical And Logical Reasoning]

5. If in a certain code 'Master' is written as 'Samret', then how will 'carrot' be written in the same code?

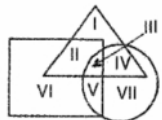
- A. Armotr
- B. Rcator
- C. Ractor
- D. Rcatro

Answer:: C

[YagnaQRefNo: 3-75] [Q Level: Unknown] [Analytical And Logical Reasoning]

6. The triangle, square and circle shown in the figure respectively represent the urban, hard- working and educated people. Which one of the areas marked

I -VII is represented by the urban educated who are not hard-working?



- A. I
- B. II
- C. III
- D. IV

Answer:: D

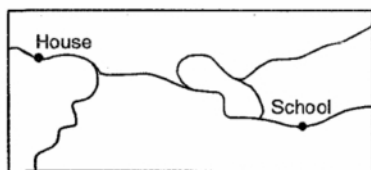
[YagnaQRefNo: 3-81] [Q Level: Unknown] [Analytical And Logical Reasoning]

7. Different designs can be made by placing a maximum of nine matchsticks. Which is the design that cannot be made at all?

- A.
- B.
- C.
- D.

Answer:: C

[YagnaQRefNo: 3-44] [Q Level: Unknown] [Analytical And Logical Reasoning]



8. On the map shown above, 1 inch represents 50 miles. The distance between house and school is 2.5 inches. What is the actual distance between them?

- A. 2.5 miles
- B. 20 miles
- C. 52.5 miles
- D. 125 miles

Answer:: D
[Q Level: Unknown] [Analytical And

[YagnaQRefNo: 3-1]
Logical Reasoning]

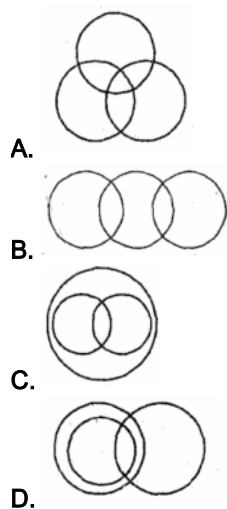
9. If 10th day after 15th of the month be Thursday, what day was the 1st of the same month?

- A. Saturday
- B. Tuesday
- C. Monday
- D. Sunday

Answer:: C

[YagnaQRefNo: 3-3] [Q Level: Unknown] [Analytical And Logical Reasoning]

10. Which one of the following diagrams correctly represents the relationship among tennis fans, cricket players and students?



Answer:: A

[YagnaQRefNo: 3-126] [Q Level: Unknown] [Analytical And Logical Reasoning]

11. 10 pencils and 15 erasers cost as much as 15 pencils and 10 erasers. How do you compare the cost of the two?

- A. Pencils are as costly as erasers
- B. Pencils are costlier than erasers
- C. Erasers are costlier than pencils
- D. Nothing can be found from the given data

Answer:: A

[YagnaQRefNo: 3-63] [Q Level: Unknown] [Analytical And Logical Reasoning]

12. What is the next number in this sequence?

15 60 240 960 ?

- A. 1,240

- B. 1,275
- C. 1,920
- D. 3,840

Answer:: D

[YagnaQRefNo: 3-80] [Q Level: Unknown] [Analytical And Logical Reasoning]

13. A club is planning two trips. Three members in the club are Mr. I, Mr. J and Mrs. K Each club member will go on only one trip. Also Either Mr. I or Mr. J, but not both, goes on the first trip Either Mr. J or Mrs. K, but not both, will go on a given trip More people go on the first trip than the second trip. Which of the following must be true?

- A. Mrs. K and Mr. I go on the first trip
- B. Mr. I and Mrs. K go on the second trip
- C. Mrs. K goes on the second trip
- D. Mrs K does not go on the first trip

Answer:: C

[YagnaQRefNo: 3-78] [Q Level: Unknown] [Analytical And Logical Reasoning]

14. Look for the pattern in the sequences of numbers given below.

- 2, 4, 6, 8, 10
- 7, 14, 21, 28, 35
- 11, 22, 33, 44, 55

Each sequence is an example of which kind of numbers?

- A. Even numbers
- B. Multiples
- C. Primes
- D. Odd numbers

Answer:: B

[YagnaQRefNo: 3-84] [Q Level: Unknown] [Analytical And Logical Reasoning]

15. A hunter aims his gun at a point between the eyebrows of a monkey sitting on the branch of a tree. Just as he fires, the monkey Jumps down. The bullet will

- A. Hit the monkey at the point aimed
- B. Hit the monkey below the point aimed
- C. Hit the monkey above the point aimed
- D. Miss the monkey altogether

Answer:: C

[YagnaQRefNo: 3-99] [Q Level: Unknown] [Analytical And Logical Reasoning]

16. The antivirus softwares that are installed in RAM and continue to operate in the background while other software applications are running are

- A. Heuristic detectors
- B. Memory resident
- C. TSR's
- D. Checksum

Answer:: B

[YagnaQRefNo: 4-90] [Q Level: Unknown] [Computer And Information Techonlogy]

17. Microsoft Power Point is a kind of

- A. System software
- B. Development software
- C. Application software
- D. Utility program

Answer:: C

[YagnaQRefNo: 4-83] [Q Level: Unknown] [Computer And Information Techonlogy]

18. A file that simply contains characters such as word processing application normally have the extension

- A. .DOC
- B. .TXT
- C. .BMP
- D. .EXE

Answer:: B

[YagnaQRefNo: 4-102] [Q Level: Unknown] [Computer And Information Techonlogy]

19. The unit of time used to measure the speed of RAM is -

- A. Nanobytes
- B. Nanopixels
- C. Nanoseconds
- D. Nanomoles

Answer:: C

[YagnaQRefNo: 4-80] [Q Level: Unknown] [Computer And Information Techonlogy]

20. When a computer is released to do other things while still printing, it is called.....

- A. Pooling up
- B. Spooling
- C. Printing
- D. Pretty printing

Answer:: B

[YagnaQRefNo: 4-105] [Q Level: Unknown] [Computer And Information Techonlogy]

21. A central computer surrounded by one or more satellite computers is called a

- A. Bus network
- B. Ring network
- C. star network
- D. All of these

Answer:: C

[YagnaQRefNo: 4-12] [Q Level: Unknown] [Computer And Information Techonlogy]

22. Software means

- A. Program
- B. Operating System
- C. Applications program
- D. Both (B) and (C)

Answer:: D

[YagnaQRefNo: 4-100] [Q Level: Unknown] [Computer And Information Technolgy]

23. Match the following

I.	II.
(Technology)	(Name of Computer)
p. Vacuum Tubes	(I) IBM 360
q. Integral Circuits	(ii) ATLAS
r. Transistors	(iii) ICL 2900
s. Very large scale integration	(iv) ENIAC

A. p - (iv),

q - (i),

r- (ii),

s - (iii)

B. p - (i),

q - (ii),

r- (iii),

s- (iv)

C. p- (ii),

q- (iii),

r- (iv),

s- (i)

D. p- (iii),

q- (ii),

r- (iv),

s-(i)

Answer:: A

[YagnaQRefNo: 4-134] [Q Level: Unknown] [Computer And Information Technolgy]

24. The series of codes, represented by numbers (ones and zeros) used to communicate directly with the internet instructions of the PC's microprocessor is

A. Machine language

B. High level language

C. Assembly language

D. Programming language

Answer:: A

[YagnaQRefNo: 4-37] [Q Level: Unknown] [Computer And Information Technolgy]

25. An operator placed the diskette over the ventilations slot provided on the top of the computer cabinet. The computer started behaving erratically. It could be due to

A. Electromagnetic interference

B. Rise in temperature

C. Shorting of some connections

D. Pollution of data

Answer:: B

[YagnaQRefNo: 4-34] [Q Level: Unknown] [Computer And Information Technolgy]

26. Which is not an application of computers?

- A. Computers in submarines
- B. Computers for air reservations
- C. Computers for reservations in railways
- D. Computers for driving buses

Answer:: D

[YagnaQRefNo: 4-72] [Q Level: Unknown] [Computer And Information Technolgy]

27. The viruses that change their appearance to avoid detection are

- A. MBR viruses
- B. DBR viruses
- C. Parasitic viruses
- D. Polymorphic viruses

Answer:: D

[YagnaQRefNo: 4-95] [Q Level: Unknown] [Computer And Information Technolgy]

28. Field that allows large blocks of text to be stored in table is

- A. Logical field
- B. Memo field
- C. Character field
- D. General field

Answer:: B

[YagnaQRefNo: 4-50] [Q Level: Unknown] [Computer And Information Technolgy]

29. Total height of a line of text including extra spacing is

- A. Height spacing
- B. Width spacing
- C. Line spacing
- D. Horizontal spacing

Answer:: C

[YagnaQRefNo: 4-111] [Q Level: Unknown] [Computer And Information Technolgy]

30. The most widely used and popular Word processor is

- A. Microsoft Excel
- B. Microsoft Access
- C. Microsoft Front Page
- D. Microsoft Word

Answer:: D

[YagnaQRefNo: 4-25] [Q Level: Unknown] [Computer And Information Technolgy]

31. DBF is an extension for the

- A. Data base file
- B. Numeric file
- C. Document file
- D. Text file

Answer:: A

[YagnaQRefNo: 4-139] [Q Level: Unknown] [Computer And Information Technolgy]

32. The information on the internet is searched using

- A. Magnifiers
- B. Search vehicles
- C. Search engines
- D. Internet tools

Answer:: C

[YagnaQRefNo: 4-5] [Q Level: Unknown] [Computer And Information Technolgy]

33. Find the odd term out

- A. Decimal number system
- B. Binary number system
- C. Number system
- D. Octal number system

Answer:: C

[YagnaQRefNo: 4-148] [Q Level: Unknown] [Computer And Information Technolgy]

34. In MS Word, page setup option under file menu is used for

- A. Adjusting margins
- B. Adjusting layout
- C. Page size and orientation
- D. All of these

Answer:: D

[YagnaQRefNo: 4-87] [Q Level: Unknown] [Computer And Information Technolgy]

35. Speed of computer system is measured in terms of

- A. Bits
- B. Bytes
- C. Seconds
- D. MIPS

Answer:: D

[YagnaQRefNo: 4-172] [Q Level: Unknown] [Computer And Information Technolgy]

36. The base of a triangle is 3 units more than h, its height. Which expression represents its area?

- A. $\frac{1}{2}h(h-3)$
- B. $h(h-3)$
- C. $\frac{1}{2}h(h+3)$
- D. $h(h+3)$

Answer:: C

[YagnaQRefNo: 2-245] [Q Level: Unknown] [Mental Ability]

37. The expression $3(6 - 4x) + 5$ is simplified in the following steps.

Step 1 : $3(6-4x) + 5 = 18-12x + 5$

Step 2 : $=18 + 5 - 12x$

Step 3 : $=23 - 12x$

Which property was applied in step 1?

- A. Associative property
- B. Multiplicative property
- C. Commutative property
- D. Distributive property

Answer:: D

[YagnaQRefNo: 2-89] [Q Level: Unknown] [Mental Ability]

38. In the star shape shown in figure, the sum of the angles marked at the corners A, B, C, D, E is



- A. 90°
- B. 135°
- C. 180°
- D. 140°

Answer:: C

[YagnaQRefNo: 2-16] [Q Level: Unknown] [Mental Ability]

39. In a college, $\frac{1}{5}$ th of the girls and $\frac{1}{8}$ th of the boys took part in a social camp.

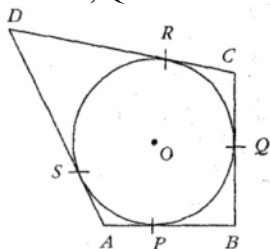
What fraction of the total number of students in the college took part in the camp, if the ratio of girls to the boys in 1 : 2 ?

- A. $\frac{13}{40}$
- B. $\frac{13}{40}$
- C. $\frac{3}{20}$
- D. Data inadequate

Answer:: C

[YagnaQRefNo: 2-71] [Q Level: Unknown] [Mental Ability]

40. In the given figure the sides AB, BC, CD and DA of a quadrilateral ABCD are tangents to a circle with centre O at the points P, Q R and S respectively. Is $AB + CD = AD + BC$?



- A. Yes
- B. No

- C. Can't say
- D. Information incomplete

Answer:: A

[YagnaQRefNo: 2-198] [Q Level: Unknown] [Mental Ability]

41. Which number replaces the “?” in the table?

n	-3	-2	-1	0	1	2
3^n	$\frac{1}{27}$?	$\frac{1}{3}$	1	3	9

- A. -9
- B. -1
- C. $\frac{1}{9}$
- D. $\frac{1}{81}$

Answer:: C

[YagnaQRefNo: 2-43] [Q Level: Unknown] [Mental Ability]

42. A's money is to B's money as 4: 5 and B's money is to C's money as 2: 3. If A has Rs. 800, C has

- A. Rs. 1000
- B. Rs. 1200
- C. Rs. 1500
- D. Rs. 2000

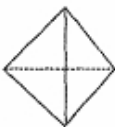
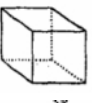

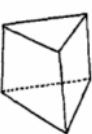
Answer:: C

[YagnaQRefNo: 2-259] [Q Level: Unknown] [Mental Ability]

43. Mona gave the following description of a three-dimensional figure

- The solid has 6 faces
- The solid has 8 vertices
- The solid has 12 edges.

Which of the following figures matches Mona's description?

- A. 
- B. 
- C. 
- D. 

Answer:: B

[YagnaQRefNo: 2-268] [Q Level: Unknown] [Mental Ability]

44. Beena bought one box of 356 beanbag toys for Rs. 180. She made a profit of Rs. 87 after selling all the toys. Each toy was sold at the same price. Use the equation given below to find t , the selling price of one toy. $356t - 180 = 87$ What was the selling price of one toy?

- A. Rs. 0.75
- B. Rs. 0.89
- C. Rs. 1.33
- D. Rs. 1.76

Answer:: A

[YagnaQRefNo: 2-2] [Q Level: Unknown] [Mental Ability]

45. $\frac{\sqrt{2}-1}{\sqrt{2}+1} = ?$ $\frac{\sqrt{2}-1}{\sqrt{2}+1} = ?$

- A. $3 - 2\sqrt{2}$
- B. $3 + 2\sqrt{2}$
- C. $\frac{1}{\sqrt{2}}$
- D. 1.632

Answer:: A

[YagnaQRefNo: 2-192] [Q Level: Unknown] [Mental Ability]

46. Kapil, Lily, and Maya made a table of their history quiz grades during the grading period. Which matrix best organizes the data?

Kapil	B	B	C	C	B	A	B	A	C	B	C	B
Lily	C	A	B	C	A	A	C	B	B	B	C	A
Maya	A	A	A	A	B	A	B	B	A	A	A	B

A.
$$\begin{matrix} & \begin{matrix} A & B & C \end{matrix} \\ \begin{matrix} \text{Kapil} \\ \text{Lily} \\ \text{Maya} \end{matrix} & \begin{pmatrix} 2 & 6 & 4 \\ 4 & 4 & 4 \\ 8 & 4 & 0 \end{pmatrix} \end{matrix}$$

B.
$$\begin{matrix} & \begin{matrix} A & B & C \end{matrix} \\ \begin{matrix} \text{Kapil} \\ \text{Lily} \\ \text{Maya} \end{matrix} & \begin{pmatrix} 3 & 5 & 4 \\ 4 & 4 & 4 \\ 8 & 4 & 0 \end{pmatrix} \end{matrix}$$

C.
$$\begin{matrix} & \begin{matrix} A & B & C \end{matrix} \\ \begin{matrix} \text{Kapil} \\ \text{Lily} \\ \text{Maya} \end{matrix} & \begin{pmatrix} 2 & 6 & 4 \\ 4 & 4 & 4 \\ 8 & 3 & 1 \end{pmatrix} \end{matrix}$$

D.
$$\begin{matrix} & \begin{matrix} A & B & C \end{matrix} \\ \begin{matrix} \text{Kapil} \\ \text{Lily} \\ \text{Maya} \end{matrix} & \begin{pmatrix} 2 & 6 & 4 \\ 5 & 4 & 3 \\ 8 & 4 & 0 \end{pmatrix} \end{matrix}$$

Answer:: A

[YagnaQRefNo: 2-15] [Q Level: Unknown] [Mental Ability]

47. What is the value of $\frac{y^2}{5} + y^2 - 12$, when $y = 5$?

- A. 22
- B. 13
- C. 16
- D. 18

Answer:: D

[YagnaQRefNo: 2-279] [Q Level: Unknown] [Mental Ability]

48. What kind of answer results when a rational number is multiplied by zero ?

- A. The answer is zero
- B. The answer is the original number
- C. The answer depends on the original number
- D. The answer is the opposite sign of the original number

Answer:: A

[YagnaQRefNo: 2-132] [Q Level: Unknown] [Mental Ability]

49. In the questions below are given two statements, followed by 4 conclusions lettered (A), (B), (C) and (D). You have to take the two given statements to be true even if they seem to be at variance from the commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements.

Statements:

All knowledge is good.

All knowledge is difficult.

Conclusions:

- A. Some good things are difficult
- B. All difficult things are knowledge
- C. All good things are difficult
- D. Easy things are not knowledge

Answer:: B

[YagnaQRefNo: 2-190] [Q Level: Unknown] [Mental Ability]

50. $9^{3.04} : 9^{2.04} = ?$

- A. 1: 9
- B. 3 : 2
- C. 76: 51
- D. None of these

Answer:: D

[YagnaQRefNo: 2-225] [Q Level: Unknown] [Mental Ability]