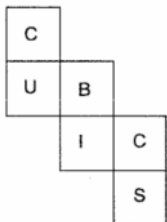


1. If σ means +, ρ means -, τ means \times , δ means \div , ρ means = and α means more than, which one of the following is correct?

- A. $7\tau 16\delta 8\sigma 4\rho 8\rho 12\tau 9$
- B. $6\tau 3\sigma 2\rho 5\delta 15\rho 59\delta 3$
- C. $6\sigma 4\rho 5\sigma 9\delta 3\rho 16\tau 4\rho 3$
- D. $6\sigma 2\delta 3\sigma 5\rho 7\alpha 4\tau 3\rho 9$

2. If the figure shown is folded to make a cube, then what is the letter opposite S



- A. B
- B. C
- C. U
- D. I

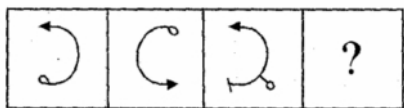
3. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C?

- A. Father
- B. Brother
- C. Grandfather
- D. Uncle

4. In a certain code 'SOBER' is written as 'RNALQ'. How can 'LOTUS' be written in that code?

- A. MPUWT
- B. KMSTR
- C. LMRST
- D. RKNST

5. The following question contains a set of problem figures numbered 1, 2, 3 and 4 and four alternatives (A), (B), (C) and (D) forming the answer set. Figures 1 and 2 are related in a particular way. Establish a similar relationship between 3 and 4 by choosing a figure from the answer set that substitutes figure 4 in the problem set.



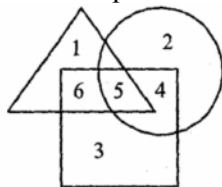
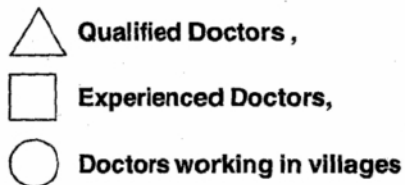
1 2 3 4 Problem Figures

- A. Answer figure

C	0	1	2	3
\cdot x				
y	0	3	6	9

D	1	2	3	4
\cdot x				
y	10	20	30	40

9. study the diagram given below and answer the questions that follow



The qualified and experienced doctors working in villages are represented by?

- A. 2
- B. 6
- C. 4
- D. 5

10. Given below is a statement followed by two arguments numbered (I) and (II). You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument? Choose your answer from the choices (A), (B), (C), or (D) given below.

Statement: Should India go for nuclear weapons?

Arguments:

- (I) Yes. Defence capability is greatest when you have nuclear weapons.
- (II) No. It will start dangerous arms race in this part of the world

- A. Only argument I is strong
- B. Only argument II is strong
- C. Either I or II is strong
- D. None of these

11. Ram walks 2 km towards North and turns to his right and walks 4 km more. He then turns to his right and walks 4 km and turns again to his right and walks another 4 km. Here he meets Radha coming from opposite direction. They both stop here. If starting point is marked 'A' and finishing point is marked 'B', what will be the distance between these points?

- A. 10km
- B. 8km
- C. 6km
- D. 2km

12. STETHOSCOPE ; MEDICAL ; PRACTITIONER : :

- A. Doctor : medicines
- B. Surgeon : operation theater
- C. Thermometer : doctor
- D. Matiny idol : silver screen

13. Step 1: Add 4

Step2: Subtract 1

Step 3: If less than 15, jump to step 1 and continue from there; otherwise proceed to step 4

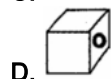
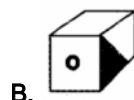
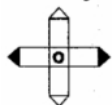
Step 4: Add 3

Step 5: If greater than 18, subtract 2

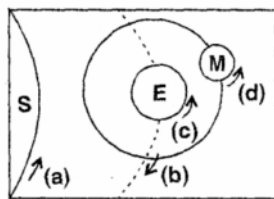
If you start with a value of 1 and then apply the above instructions, what is the end result?

- A. 11
- B. 17
- C. 18
- D. 19

14. Choose from amongst the alternatives A, B, C, and D the box that shall be formed by folding this figure.



15. Consider the given diagram



S = Sun, E = Earth, M = Moon.
→ Direction of Movement

Which one of the four directions of movement as shown by arrows (a), (b), (c) and (d) is wrong?

- A. Direction of the rotation of the Sun
- B. Direction of the revolution of the Earth
- C. Direction of the rotation of the Earth
- D. Direction of the revolution of the Moon

16. OLE stands for

- A. Operation linked embedding
- B. Object linking & embedding
- C. Object linked in Excel
- D. All of these

17. A single application that combines features of several kinds of applications is known as

- A. Integrated software
- B. A combo pack
- C. A suit of software
- D. A group of softwares

18. Data about data is called.....

- A. Database
- B. Datahouse
- C. Metadata
- D. Data repository

19. Ethernet, wireless 802. 11 b, Home PNA 2.0 are the

- A. Popular networks
- B. Web browsers
- C. Operating systems
- D. ISPs

20. If you want to work with other computers on the network then the icon to be used is

- A. Network Neighbourhood
- B. My computer
- C. My documents
- D. Internet explorer

21. To start communicating on FTP we use

- A. Put
- B. Get
- C. FTP
- D. Quit

22. Match the following

(1) Word processors provide	(a) True variety of fonts and print styles
(2) We cannot incorporate graphics in	(b) False a word processor
(3) Word processors provide the	
facility of spell-check, dictionary and thesaurus	

- A. 1a, 2b, 3a
- B. 1b, 2b, 3a
- C. 1a, 2a, 3b
- D. 1b, 2a, 3a

23. HTTP stands for

- A. Hypertext transfer protocol
- B. Hypertext teaching protocol
- C. Hypertext teaching program
- D. Hypertext transfer program

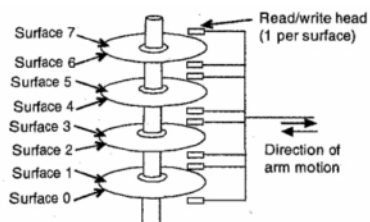
24. Set of programs, standards and protocols on internet that govern the creation and display of multimedia file is known as

- A. URL
- B. bps
- C. www
- D. I.P

25. Fragmentation means files stored in fragmented storage blocks. That is, when files are not stored in contiguous storage areas rather their contents are scattered over the disk. High fragmentation slows down a computer as the computer has to perform more read/write operations. What is the remedy for fragmentation?

- A. Debugger
- B. Changing the hard disc
- C. Defragmentor
- D. Replace ROM

26. This is an internal structure of which computer component?



- A. Hard Disk
- B. Floppy Disk
- C. CPU
- D. CD-ROM drive

27. URL stands for

- A. Unique research location
- B. Unique research locator
- C. Uniform resource locator
- D. Uniform research locator

28. Hypertext documents help the user to locate the desired type of information by using a series of -

- A. Text
- B. Links
- C. Trees
- D. Arrows

29. In the working of a modem, the analog signals are converted to digital signals by the.....

- A. Modulator
- B. Demodulator
- C. Both A and B
- D. Transformer

30. Login is

- A. (Network News Transport Protocol)- The protocol used by client and server software to carry USENET postings
- B. Something scientists used to do
- C. The account name used to gain access to a computer system or the act of entering into a computer system. Not a secret
- D. Secret access code

31. 'OS' computer abbreviation usually means?

- A. Order of Significance
- B. Open Software
- C. Operating System
- D. Optical Sensor

32. For what purpose, can you use the shortcut key (ctrl) + 0 in power point?

- A. Duplicate the selected slides
- B. Cut the selected slides
- C. Paste the selected text or graphics
- D. Edit the selected slide

33. A way in which data is read and stored in memory is called

- A. Data storage
- B. Addressing mode
- C. Data address mode
- D. Storage media

34. Mail merge option is given in which menu?

- A. Format
- B. Insert
- C. Tools
- D. Tables

35. Large amounts of bank cheques are processed by using

- A. OCR
- B. MICR
- C. OMR
- D. All of these

36. Sidh places 7 red cards, 9 blue cards, and 4 yellow cards in a bag. All the cards are of the same size and shape. He randomly selects a card. It is yellow. He does not replace it. Sidh randomly selects a second card from the bag. what is the probability that he will select a blue card ?

- A. $\frac{9}{19}$
- B. $\frac{9}{20}$
- C. $\frac{1}{5}$
- D. $\frac{1}{9}$

37. A certain distance is covered by a cyclist at a certain speed. If a jogger covers half the distance in double the time, the ratio of the speed of the jogger to that of the cyclist is

- A. 1: 2
- B. 2: 1
- C. 1: 4
- D. 4: 1

38. The value of $10^{\log_{10} 7}$ is

- A. 7
- B. 1
- C. 10
- D. $\log_{10} 7$

39. Find the measure of all the angles of a parallelogram, if one angle is 24° less than twice the smallest angle

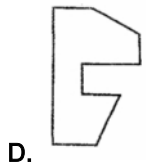
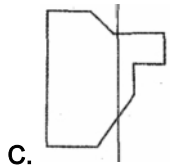
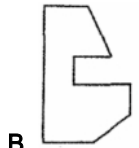
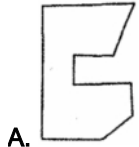
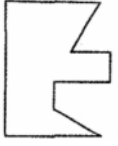
- A. 60° , 120° , 60° , 120°
- B. 66° , 114° , 66° , 114°
- C. 56° , 124° , 56° , 124°
- D. 68° , 112° , 68° , 112°

40. A rat runs 20 m towards east and turns $10m$ and turns to right, runs 9 m and again turns to left, runs 5 m and then turns to left, runs 12 m and finally turns to left and runs 6 m. Now, which direction is the rat facing?

- A. East
- B. West

- C. North
- D. South

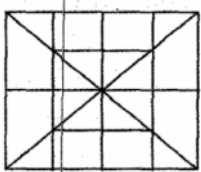
41. In each question a key figure marked (X) is given followed by four other alternative figures marked (A), (B), (C), and (D). It is required to select one figure from the alternatives, which fits exactly into figure (X) to form a perfect square



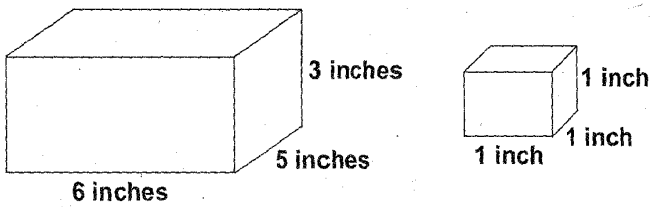
42. A person invested in all Rs. 2600 at 4%, 6% and 8% per annum simple interest. At the end of the year, he got the same interest in all the three cases. The money invested at 4% is

- A. Rs. 200
- B. Rs. 600
- C. Rs. 800
- D. Rs. 1200

43. Count the number of squares in the adjoining figure



- A. 13
- B. 16
- C. 19
- D. 20



44. How many 1 inch cubes will completely fill the carton shown?

- A. 14
- B. 33
- C. 90
- D. 40

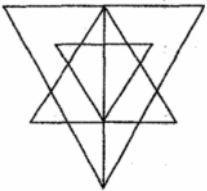
45. Compare the knowledge of persons X, Y, Z, A, B and C in relation to each other

1. X knows more than A,
2. Y knows as much as B,
3. Z knows less than C, but more than B
4. A knows more than Y

The best knowledgeable person amongst all is

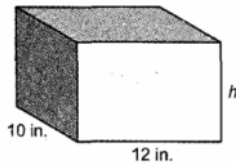
- A. X
- B. Y
- C. A
- D. C

46. Count the number of triangles in the following figure



- A. 27
- B. 25
- C. 23
- D. 21

47. The volume of a rectangular solid is 960 cubic inches. The dimensions of the base are 12 inches by 10 inches



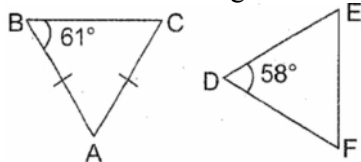
What is the height of the solid?

- A. 4 in
- B. 8 in
- C. 120 in
- D. 840 in.

48. Kunal left for his office in his car. He drove 15km towards North and then 10 km towards West. He then turned to the South and covered 5km. Further, he turned to the East and moved 8 km. Finally, he turned right and drove 10 km. How far and in which direction is he from his starting point?

- A. 2 km West
- B. 5 km East
- C. 6 km South
- D. None of these

49. These two triangles are congruent. What is the measure of $\angle DEF$?



- A. 119°
- B. 58°
- C. 61°
- D. 122°

50. Can we draw a triangle with sides of length 3.6 cm, 3cm and 6.6 cm?

- A. Yes
- B. No
- C. Can't say
- D. Information is incomplete

Yagna Innovation