

## IBM

- Speed of boat in still water is 10kmph..if it travels 24km downstream,16km upstream in the same amount of time,what is the speed of the stream?
  - 3kmph
  - 3.5kmph
  - 2kmph
  - ...
- A cube of 3 units is painted on all sides. If this cube is divided into cubes of 1 unit,how many cube have none of their faces painted?
  - ...
  - 2
  - 1
  - 0
  - none of these
- If a person sells a product for rs141/- he suffers a loss of 6%.if he has to have a profit of 10%, at what price should he sell it?
  - 
  - rs.175
  - ..
  - rs.165

ans. rs.165 (i think,check)
- A ball falls from a height of 8ft ,bounces back to half the distance & continues till it comes to rest. what is the total distance travelled by the ball?
  - 4ft
  - ...
  - infinite
  - cannot be determined

ans:(a)
- Which of the following is the sum of 3 consecutive prime nos?
  - 49
  - 59
  - both a &b
  - ...

ans:c
- If the area of a square has increased by 69%,by what % has its side increased?
- In a class the average age is 16yrs.if the teacher who is 40 yrs of age is also included ,the average becomes 17yrs,how many students were there?
- If 3 houses are to be painted,mr A can paint a house in 6 days(nos are not same)...mr B can do the same in 8 days...& mr.C in 12 days.if mr A does the work for 8 days & leaves for vacation, & mr B continues the work for the next 6 days, for how many days should mr.C work? ans:11 days(check)
- 4 thieves rob a bakery of the bread one after the other. each thief takes half of what is present ,& half

A bread...if at the end 3 bread remains,what is the no of bread that was present initially? ans:63(check)

10. If the 1st day of 1999 is a sunday,what is the last day?

- (a)sunday
- (b)monday
- (c)....
- (d)cannot be determined.

11. If A driver drives a car four times a lap 10,20 30,60 kmph what is his average speed.

ans:20kmph

In a group there are two kinds of people type A & type B.type A people answer for any question as YES &

that of type B as NO.if they can not answer to these question then they remain silent. the mayor asks question to them as follows.....

12. If he asks a person are u type A

- a.YES b.NO c. Silent d.Can not be determined

13. He asks two persons X & Ysimultaneously whether u of same type

- a. YES b. NO c.YES or NO d. Silent e. can not be determined

14. Pointing to a person X he asks Y what is his type

- a. YES b. No c. Silent d can not be determined

15. Pointing to a person X he asks Y if I ask him whether r u type A ,will he answer YES.Y says NO .what type of B is

- a. YES b. NO . c. Silent d. can not be determined

16. Six squares of same dimension are kept side by side to make a rectangle with a perimeter of 182 cm. what is the perimeter of each square. ans) 52.

17. One student takes 20 mins to reach school if he goes at a speed of 15kmph .At what speed should he go to reach in 15 mins ( nos are not same) ans: 16kmph( check)

18. How many rational numbers are there between 0 & 5

ans:infinite

19. A certain number of bullets were shared by 3 people equally.Each of them fired 4 bullets and the sum of the remaining bullets was equal to the initial share each had got.what was the initial number of bullets? ans:18..(  $18/3=6$ ;

$6-4=2,6-4=2,6-4=2$ ;

$2+2+2=6=ans$ )

## Technical:

20. A trigger is
- (a) a statement ..start of database..
  - (b) statements that r executed as a side effect to the modification to the database
  - (c)...
  - (d)...
- ans (b)
21. What does the following statement mean?
- ```
int (*a)[4]
```
- (a)'a' is a pointer to an array of 4 integers
  - (b)'a' is an array of pointers to integer
  - (c)'a' is a pointer to function returning an integer
  - (d)...
- ans:a
22. Best method to find out whether a given array already sorted,is sorted or not in min. time
- ans. insertion sort (check)
23. A primary key in one table also present in some other table is called
- (a)foreign key
  - (b)secondary key
  - (c)subordinate key
  - (d)...
- ans. foreign key
24. Which of the following is a real time system?
- (a)robotics control
  - (b)airline ticket reservation(ans)
  - (c)
  - (d)...
25. A question to convert a big no in decimal to octal(check only for the last 2 nos in ans is sufficient)
26. Which of the following is an example of a spooling device?
- (a)..
  - (b)line printer..
  - (c)
  - (d)
  - (e)...
27. If in a table:account no,account holders name,account type ,.....(something else was given)are the fields,which
- of them could be the primary key?
- (a)account no(ans)
  - (b)account holders name
  - (c)account type
  - (d)..
28. If a file is opened in "r+" mode(in C),it means
- (a) write

- (b)read
- (c)...
- (d).....

29. What is the difference between 123 and 0123 in c?

- (a)120
- (b)40
- (c)0
- (d)...

ans:40

30. Software Configuration Management process is -

- (a)developing & managing software for .....software....
- (b)developing & managing hardware for....software.....
- (c)...
- (d)..

31. Data Integrity constraint is

- (a)to ensure the presence of primary key
- (b)...
- (c)...
- (d)...

32. Which of the following uses the minimum length of cable?

- (a)ring
- (b)star
- (c)mesh
- (d)bus
- (e)all of the above

31. How can u append the ls and who to certain existing file (like that)(i.e.listing & output of who is to be directed to a file

- (a)ls;who>>filename
- (b)ls;who>>>filename
- (c)(ls;who)>>>filename
- (d)who;ls<<filename

34. Suppose u have a network .users complain of slow ....u suspect a problem in network adapter once u find that the data is continuous and erroneous. what device do u use?

- (a)volt-ohmmeter
- (b)SNMP
- (c)protocol... checking
- (d)all of the above

35. What is vector processing?

$x = y + 1$  is equivalent to

what? (a) $x = x - y + 1$

- (b)...
- (c) $x = x - y - 1$
- (d)...

ans:(c)

36. In a student form what is the relationship b/w student and course

- (a)one to one

- (b)many to one
- (c)one to many
- (d)many to many

37. ROM is

- (a)volatile
- (b)permanent & fast
- (c)device containig boot up program & is not accessible
- (d)...

