

## IBM Placement Paper

1. 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?

- (a)3kmph
- (b)3.5kmph
- (c)2kmph
- (d)...

2. 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?

- (a)...
- (b)2
- (c)1
- (d)0
- (e)none of these

3. 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?

- (a)
- (b)rs.175
- (c)..
- (d)rs.165

ans.rs.165 (i think, check)

4. 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?

- (a)24ft
- (b)...
- (c)infinite
- (d)cannot be determined

ans:(a)

5. Which of the following is the sum of 3 consecutive prime nos?

- (a)49
- (b)59
- (c)both a &b
- (d)....

ans:c

6. If the area of a square has increased by 69%,by what % has its side increased?

7. 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?

8. 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)

9. 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 &Y simultaneously 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)..  
(e)...

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)..  
(e)...

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

33. 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
- (e)...

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?

36.  $x = y + 1$  is equivalent to what?

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

ans:(c)

37. 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

38. ROM is

- (a)volatile

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

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