

IBM Placement Papers

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)None

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. 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) ..

27. If a file is opened in "r+" mode (in C), it means

- (a) write
- (b) read

28. What is the difference between 123 and 0123 in C?

- (a) 120
- (b) 40
- (c) 0
- (d) 1

ans: 40

29. Software Configuration Management process is -

- (a) developing & managing software for software
- (b) developing & managing hardware for software

30. 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

32. Suppose u have a network .users complain of slowu 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

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

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

ans:(c)

34. 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

35. ROM is

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