

Bharat Froge Placement Paper - I job in Bharat Forge Ltd - BFL

2011 Bharat Forge Placement Paper - I with Answers and Solutions:-

1. In a class composed of x girls and y boys what part of the class is composed of girls

A. $y/(x + y)$

B. x/xy

C. $x/(x + y)$

D. y/xy

Ans.C

2. What is the maximum number of half-pint bottles of cream that can be filled with a 4-gallon can of cream (2 pt.=1 qt. and 4 qt.=1 gal)

A. 16

B. 24

C. 30

D. 64

Ans.D

3. If the operation, \wedge is defined by the equation $x \wedge y = 2x + y$, what is the value of a in $2 \wedge a = a \wedge 3$

A. 0

B. 1

C. -1

D. 4

Ans.B

4. A coffee shop blends 2 kinds of coffee, putting in 2 parts of a 33p. a gm. grade to 1 part of a 24p. a gm. If the mixture is changed to 1 part of the 33p. a gm. to 2 parts of the less expensive grade, how much will the shop save in blending 100 gms.

A. Rs. 90

B. Rs. 1.00

C. Rs. 3.00

D. Rs. 8.00

Ans.C

5. There are 200 questions on a 3 hr examination. Among these questions are 50 mathematics problems. It is suggested that twice as much time be spent on each maths problem as for each other question. How many minutes should be spent on mathematics problems

A. 36

B. 72

C. 60

D. 100

Ans.B

6. In a group of 15, 7 have studied Latin, 8 have studied Greek, and 3 have not studied either. How many of these studied both Latin and Greek

A. 0

B.3

C.4

D.5

Ans.B

7.If $13 = 13w/(1-w)$,then $(2w)^2 =$

A.1/4

B.1/2

C.1

D.2

Ans.C

8. If a and b are positive integers and $(a-b)/3.5 = 4/7$, then

(A) $b < a$

(B) $b > a$

(C) $b = a$

(D) $b \geq a$

Ans. A

9. In June a baseball team that played 60 games had won 30% of its game played. After a phenomenal winning streak this team raised its average to 50% .How many games must the team have won in a row to attain this average?

A. 12

B. 20

C. 24

D. 30

Ans. C

10. M men agree to purchase a gift for Rs. D. If three men drop out how much more will each have to contribute towards the purchase of the gift/

A. $D/(M-3)$

B. $MD/3$

C. $M/(D-3)$

D. $3D/(M^2-3M)$

Ans. D

11..In the command scanf, h is used for

Ans. Short int

12. A process is defined as

Ans. Program in execution

13. A thread is

Ans. Detachable unit of executable code)

14. What is the advantage of Win NT over Win 95

Ans. Robust and secure

15. How is memory management done in Win95

Ans. Through paging and segmentation

16. What is meant by polymorphism

Ans. Redefinition of a base class method in a derived class

17. What is the essential feature of inheritance

Ans. All properties of existing class are derived.

18. What does the protocol FTP do

Ans. Transfer a file b/w stations with user authentication

19. In the transport layer, TCP is what type of protocol

Ans. Connection oriented.

20. Why is a gateway used

Ans. To connect incompatible networks.

The office staff of XYZ corporation presently consists of three bookkeepers--A, B, C and 5 secretaries D, E, F, G, H. The management is planning to open a new office in another city using 2 bookkeepers and 3 secretaries of the present staff . To do so they plan to separate certain individuals who don't function well together. The following guidelines were established to set up the new office.

I. Bookkeepers A and C are constantly finding fault with one another and should not be sent together to the new office as a team

II. C and E function well alone but not as a team , they should be separated

III. D and G have not been on speaking terms and shouldn't go together

IV Since D and F have been competing for promotion they shouldn't be a team.

21.If A is to be moved as one of the bookkeepers,which of the following cannot be a possible working unit.

A.ABDEH

B.ABDGH

C.ABEFH

D.ABEGH

Ans.B

22.If C and F are moved to the new office,how many combinations are possible

A.1

B.2

C.3

D.4

Ans.A

23.If C is sent to the new office,which member of the staff cannot go with C

A.B

B.D

C.F

D.G

Ans.B

24.Under the guidelines developed,which of the following must go to the new office

A.B

B.D

C.E

D.G

Ans.A

25.If D goes to the new office,which of the following is/are true

I.C cannot go

II.A cannot go

III.H must also go

A.I only

B.II only

C.I and II only

D.I and III only

Ans.D