

Bharat Forge Placement Paper - II job in Bharat Forge Ltd - BFL

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

1. A company contracts to paint 3 houses. Mr. Brown can paint a house in 6 days while Mr. Black would take 8 days and Mr. Blue 12 days. After 8 days Mr. Brown goes on vacation and Mr. Black begins to work for a period of 6 days. How many days will it take Mr. Blue to complete the contract?

- A. 7
- B. 8
- C. 11
- D. 12

Ans. C

2. 2 hours after a freight train leaves Delhi a passenger train leaves the same station travelling in the same direction at an average speed of 16 km/hr. After travelling 4 hrs the passenger train overtakes the freight train. The average speed of the freight train was?

- A. 30
- B. 40
- C. 58
- D. 60

Ans. B

3. If $9x-3y=12$ and $3x-5y=7$ then $6x-2y = ?$

- A. -5
- B. 4
- C. 2
- D. 8

Ans. D

4. In a group of six women, there are four dancers, four vocal musicians, one actress and three violinists. Girija and Vanaja are among the violinists while Jalaja and Shailaja do not know how to play on the violin. Shailaja and Tanuja are among the dancers. Jalaja, Vanaja, Shailaja and Tanuja are all vocal musicians and two of them are also violinists. If Pooja is an actress, who among the following is both a dancer and violinist ?

- A) Jalaja
- B) Shailaja
- C) Tanuja
- D) Pooja

Ans: C

5. Salay walked 10 m towards West from his house. Then he walked 5 m turning to his left. After this he walked 10 m turning to his left and in the end he walked 10 m turning to his left. In what direction is he now from his starting point?

- (A) South
- (B) North
- (C) East
- (D) West
- (E) None of these

Ans : (B)

6. Manish goes 7 km towards South-East from his house, then he goes 14 km turning to West. After this he goes 7 km towards North West and in the end he goes 9 km towards East. How far is he from his house?

- (A) 5 km
- (B) 7 km
- (C) 2 km
- (D) 14 km
- (E) None of these

Ans : (A)

7. Laxman went 15 kms from my house, then turned left and walked 20 kms. He then turned east and walked 25 kms and finally turning left covered 20kms. How far was he from his house.

- (A) 5 kms
- (B) 10 kms
- (C) 40 kms
- (D) 80 kms
- (E) None of these

Ans : (D)

8. The door of Aditya's house faces the east. From the back side of his house, he walks straight 50 metres, then turns to the right and walks 50 metres, then turns towards left and stops after walking 25 metres . Now Aditya is in which direction from the starting point?

- (A) South-East
- (B) North-East
- (C) South- West
- (D) North-West
- (E) None of these

Ans : (D)

9. P, Q, R and S are playing a game of carrom. P, R, and S, Q are partners. S is to the right of R who is facing west. Then Q is facing ?

- (A) North
- (B) South
- (C) East
- (D) West
- (E) None of these

Ans : (A)

10. A clock is so placed that at 12 noon its minute hand points towards north-east. In which direction does its hour hand point at 1.30 p.m?

- (A) North
- (B) South
- (C) East
- (D) West
- (E) None of these

Ans: C

11.How is linked list implemented

Ans. By referential structures.

12. What method is used in Win95 in multitasking?

Ans. Non preemptive check.

13. What is meant by functional dependency?

14. What is a semaphore?

Ans. A method synchronization of multiple processes

15. What is the precedence order from high to low, of the symbols () ++ /

Ans. () , ++, /

16. Preorder of $A*(B+C)/D-G$

Ans. *+ABC/-DG

18. B-tree (failure nodes at same level)

19. Dense index (index record appears for every search -key in file)

20. What is the efficiency of merge sort

Ans. $O(n \log n)$