

Analytical skills (Sample Questions)

Placement Based Questions:

1. What is the remainder when we divide $125!$ by 10^{31}
 - a. 4
 - b. 1
 - c. 0
 - d. 5

Ans. C

2. If the marked price of 30 articles is equal to selling price of 40 articles, then find the % discount?
 - (a) 25%
 - (b) 33.33%
 - (c) 75%
 - (d) 20%

Ans. A

3. Aditya walked 15 m towards south and took a right turn and walked 3 m, he took a right turn again and walked 15 m before stopping .Which direction did he face?
 - 1) East
 - 2) West
 - 3) north
 - 4) south

Ans. 3

4. 0.28, 0.56, 1.68, __
 - a. 2.68
 - b. 6.72
 - c. 7.72
 - d. None

Ans. B

Government Exams (SSC CGL) based questions:

5. When a student score 36% marks and failed by 32 marks, But if he score 48% marks then he will get 64 more marks than passing marks. Find the passing percent.

- a. 40%
- b. 50%
- c. 35%
- d. 45%

Ans. a

6. A bag contains Rs.30 which is in the form of 50 paisa, 1 ₹ and 2 ₹ coins. The ratio of their number is 4:2:1. How many 50 paisa coins are there?

- a. 20
- b. 10
- c. 5
- d. 15

Ans. a

7. If the average of 25 consecutive even numbers is 62, then find the largest number.

- A. 36
- B. 86
- C. 38
- D. 90

Ans. B

8. A shopkeeper selling his goods at 7% loss. Had he sold it for Rs.800 more then he would get 9% profit. Find the CP of that article.

- A. 500
- B. 6000
- C. 5000
- D. 4500

Ans. C

AMCAT based Questions:

9. A told B, " yesterday I met the only brother of the daughter of my grandmother". Whom did A meet?

- a) Cousin
- b) brother
- c) Nephew
- d) son
- e) father

Ans. E

10. 8 men can do a piece of work in 12 days while 20 women can do it in 10 days. In how many days 12 men and 15 women complete the same work.

- a) 4
- b) 5
- c) 6
- d) 7

Ans. b

11. A train traveled at an average speed of 100 km/hr, stopping for 3 minutes after every 75 km. How long did it take to reach its destination 600 km from the starting point

- a. 6 hours 24 mins
- b. 6 hours 21 mins
- c. 6 hours 18 mins
- d. 6 hours 18 mins

Ans. b

12. How many 6 digits no can be formed using 0, 1, 2, 3, 5, and 7 if repetition is not allowed?

- a. 600
- b. 720
- c. 38880
- d. none

Ans. a

13. If $\log_x y = 10$ and $\log_2 x = 1000$, what is the value of y ?

- A. 2^{100}
- B. 2^{1000}
- C. 2^{10000}
- D. 2^{10}

Ans. C

CSAT based Questions:

14. The monthly incomes of X and Y are in the ratio of 4:3 and their monthly expenses are in the ratio of 3: 2. However, each saves Rs. 6,000 per month. What is their total monthly income?

- a. Rs. 28,000
- b. Rs. 42,000
- c. Rs. 56,000
- d. Rs. 84,000

Ans. b

15. P works thrice as fast as Q, whereas P and Q together can work four times as fast as R. If P, Q and R together work on a job, in what ratio should they share the earnings?

- a. 3 : 1 : 1
- b. 3 : 2 : 4
- c. 4 : 3 : 4
- d. 3 : 1 : 4

Ans. a

16. Consider the following relationships among members of a family of six persons A, B, C, D, E and F:

- 1. The number of males equals that of females.

2. A and E are sons of F.
 3. D is the mother of two, one boy and one girl.
 4. B is the son of A.
 5. There is only one married couple in the family at present.
- Which one of the following inferences can be drawn from the above?
- a. A, B and C are all females.
 - b. A is the husband of D.
 - c. E and F are children of D.
 - d. D is the daughter of F.

Ans. b

17. Consider the following:

A+B means A is the Son of B.

A-B means A is the wife of B.

What does the expression P+R-Q means?

Consider the following:

- a. Q is the son of P.
- b. Q is the wife of P.
- c. Q is the father of P.
- d. None of the above

Ans. c

CAT based Questions:

18. $\log_9 (3\log_2 (1 + \log_3 (1 + 2\log_2 x))) = 1/2$. Find x.
- a. 4
 - b. 12
 - c. 1
 - d. 2

Ans. d

19. How many pairs of integers (x, y) exist such that the product of x, y and HCF (x, y) = 1080?

- a. 8
- b. 7
- c. 9
- d. 12

Ans. c

20. Pipes A, B and C can fill a tank in 30, 60 and 120 minutes respectively. Pipes B and C are kept open for 10 minutes, and then Pipe B is shut while Pipe A is opened. Pipe C is closed 10 minutes before the tank overflows. How long does it take to fill the tank?

- a. 40 minutes

- b. 28 minutes
- c. 30 minutes
- d. 36 minutes

Ans. c