

1. What is the percentage represented by  $0.03 * 0.05$  ?

- (a) 0.0015
- (b) 0.000015
- (c) 0.15
- (d) 15

Ans. B

2.  $(x-a)(x-b)(x-c)....(x-z) = ?$

- (a) 1
- (b) -1
- (c) 0
- (d) Can't be determined

Ans. C

3. If  $a = 1, b = 2, c = 3.....z = 26$  what is the value of  $p+q+r$  ?

- (a) 33
- (b) 51
- (c) 52
- (d) 48

Ans. B

4. A is 8 miles east of B.  
C is 10 miles north of B.  
D is 13 miles east of C and E is 2 miles north of D.  
Find shortest distance between A and E.

- (a) 5 miles
- (b) 6 miles
- (c) 13 miles
- (d) 18 miles

Ans. C

5. If  $z = 1, y = 2.....a = 26$ . Find the value of  $z + y + x + .....+a$ .

- (a) 351
- (b) 221
- (c) 400
- (d) 200

Ans. A

6. There are 30 socks in a bag.

Out of these 60 % are green and the rest are blue.

What is the maximum number of times that socks have to be taken out so that atleast 1 blue pair is found.

- (a) 21
- (b) 2
- (c) 18
- (d) 20

Ans. D

7. How many two digit numbers have their square ending with 8.

- (a) 13
- (b) 12
- (c) 0
- (d) 11

Ans. C

8. How many numbers are there between 100 and 300 with 2 in the end and 2 in the beginning.

- (a) 10
- (b) 9
- (c) 11
- (d) none of these

Ans. A

9.  $0.0000006 * 0.0000007 = ?$

- (a) 0.00000000042
- (b) 0.000000000042
- (c) 0.0000000000042
- (d) 0.00000000000042

Ans. B

10. You have Rs 1000 with 8% p.a compounded every 6 months.

What is the total interest you get after 1 year.

- (a) Rs.116.40
- (b) Rs.345.60
- (c) Rs.224.50

(d) Rs.160

Ans. A

11. If  $x + y = 12$ ,  
 $x - y = 2$   
Find  $x + 2y$ .

- (a) 12
- (b) 17
- (c) 14
- (d) none of these

Ans. B

12. With one gallon of petrol a person moves at a speed of 50 mph and covers 16 miles.  
 $\frac{3}{4}$ th of the distance is covered while moving at 60 mph.  
How many gallons does he need to cover 120 miles in 60 mph.

13. A tap drains at  $x$  speed while tap B is closed.  
When both taps are open they drain at  $y$  speed.  
What is the speed of draining when only tap B is open

- (a)  $x - y$
- (b)  $y - x$
- (c)  $x$
- (d) can't be determined

Ans. B

14. What is twenty percent of 25 % of 20.

- (a) 2
- (b) 1
- (c) 5
- (d) 4

Ans. B

15. A rectangle has the dimensions 6ft \* 4ft.  
How many squares of 0.5 inches will it need to completely fill it.

- (a) 32000
- (b) 12824
- (c) 13824
- (d) 18324

Ans. C

*Directions for questions 16-21:* In each question, a series of letters satisfying a certain pattern are given. Identify the pattern and then find the letter/letters that will come in place of the blank/blanks.

16. a, c, e, g, \_

- (a) h
- (b) i
- (c) d
- (d) j

**Ans. B**

17. a, e, i, m, q, u, \_\_, \_

- (a) y, c
- (b) b, f
- (c) g, i
- (d) none

**Ans. A**

18. ay , bz , cw , dx ,\_\_

- (a) gu
- (b) ev
- (c) fv
- (d) eu

**Ans. D**

19. 1, 2, 3, 5, 7, 11, \_\_

- (a) 15
- (b) 9
- (c) 13
- (d) 12

**Ans. 13 , series of prime numbers**

20. kp , lo , mn , \_\_

- (a) nm
- (b) np
- (c) op

(d) pq

Ans. A

21. abc , zyx , def , wvu , \_\_\_\_

- (a) ghi
- (b) tsr
- (c) ihg
- (d) str

Ans. A

22. How is my mother's sister's brother's wife's child related to me?

- (a) brother
- (b) uncle
- (c) cousin
- (d) nephew

Ans. A

23. What will my mother's husband's father-in-law's son's daughter to me?

- (a) niece
- (b) aunt
- (c) sister
- (d) none of these

Ans. D