aptitude questions for practice

1. Complete the series :

11, 12, 17, 18, 23, 24 ...

(1) 30

(2) 35

(3) 12

(4) 14

(5) None of these

Ans : (5)

Explanation : Alternate numbers increase by 6.

2. Complete the series :

1, 8, 27, 64, 125, 216 .....

(1) 343

(2) 512

(3) 729

(4) 1000

(5) None of these

Ans : (1)

Explanation : The series is

13, 23, 33, 43 .....

Hence missing figure : 73 = 343

3. Suppose you are in charge of a Military Command guarding a bridge and you receive a message from the bridge that the enemy forces have almost reached the other side of the bridge. What telephone message would you send ?

(1) Order air-shelling

(2) Break the bridge

(3) Send more troops

(4) Surrender to them

(5) None of these

Ans : (2)

4. Supply the missing figure :

3, 11, 8, 16, 13 18

(1) 15

(2) 17

(3) 14

(4) 21

(5) None of these

Ans : (4)

Explanation : In the series take alternate terms and see, it is increasing by 5.

Thus missing figure is 16 + 5 = 21

11, 16, (16 + 5), ...

5. Usha is twice as old as Rita. Three years ago she was three times as old as Rita. How old is Usha now ?

(1) 7 years

(2) 9 years

(3) 6 years

(4) 12 years

(5) None of these

Ans : (4)

Explanation : Now U = 2R (U - Usha's age R - Rita's age)

Three years ago,

(U - 3) = 3(R - 3)

$\therefore$ (2R - 3) = 3(R - 3) ($\because$ U = 2R)

$\Rightarrow$ R = 6

$\Rightarrow$ U = 2 (6) = 12 years.

6. If R2 = S3 = K, where R, S and K are integers. Find the smallest positive integral value of K. (Greater than 1)

(1) 4

(2) 8

(3) 27

(4) 64

(5) None of these

Ans : (4)

7. A man had returned after a day's bird-shooting. He was asked how many birds he had in the bag. He said "they are all sparrows but six; all pigeons but six and all doves but six", How many birds had he in all ?

(1) 18

(2) 9

(3) 27

(4) 64

(5) None of these

Ans : (2)

Explanation : Let the no. of birds be x

$\therefore \quad (x - 6) + (x - 6) + (x - 6) = x$

$\therefore \quad 3x - 18 = x$

$\Rightarrow \quad 2x = 18 \quad \Rightarrow \quad x = 9.$

8. I am sixth in the queue from either end. How many people are there in the queue ?

(1) 13

(2) 12

(3) 11

(4) 10

(5) None of these

Ans : (3)

9. Complete the series :

81, 69, 58, 48, 39 .....

(1) 7

(2) 10

(3) 22

(4) 31

(5) None of these

Ans : (4)

Explanation : Here, the series goes like this

81 - 12 = 69 - 11 = 58 - 10 = 48 - 9 = 39 - 8 = 31.

10. If HKUJ means FISH, what does UVCD mean ?

(1) STAR

(2) STAK

(3) STAL

(4) STAB

(5) None of these

Ans : (4)

Explanation : HKUJ means FISH

The word FISH is obtained from the word HKUJ by replacing every alphabet by the second alphabet to the left of each alphabet of the word HKUJ. Applying same rule to UVCD we can see that. UVCD means STAB

11. Complete the series :

1, 2, 3, 5, 8, 13 ....

(1) 34

(2) 1

(3) 30

(4) 35

(5) None of these

Ans : (2)

Explanation : In this series, the term is obtained by adding previous two terms.

12. If Gopal runs slower than Krishna and Krishna runs as fast but not faster than Hargobind, then does Hargobind run faster or slower than Gopal ?

(1) Slower

(2) Equal

(3) Same

(4) Faster

(5) None of the

Ans : (4)

13. Supply the missing figure :

2, 6, 12, 20, 30 ... 56

(1) 42

(2) 38

(3) 46

(4) 56

(5) None of these

Ans : (1)

Explanation : The series is 12 + 1, 22 + 2, 32 + 3, 42 + 4, 52 + 5, 62 + 6 .....

Hence missing figure : 62 + 6 = 42

14. Supply the missing figure :

1, 4, 9, 16, 25 49

(1) 27

(2) 36

(3) 64

(4) 81

(5) None of these

Ans : (2)

Explanation : The series is 12, 22, 32, 42, 52, 62, 72 .....

∴ Missing figure = 62 = 36

15. A Shephered had 17 sheep. All but nine died. How many did he have left ?

(1) 9

(2) 8

(3) 12

(4) 7

(5) None of these

Ans : (1)

16. Write the next number in the series : 14, 16, 13, 17, 12, 18, 11 ....

(1) 12

(2) 19

(3) 22

(4) 14

(5) None of these

Ans : (2)

Explanation : Sree the alternate terms starting from 2nd term in the series 16, 17, 18, 19, ...

17. The Twenty-First Century will start on January 1 in the year

(1) 2001

(2) 2000

(3) 2101

(4) 2100

(5) None of these

Ans : (1)

18. If A = 1, B = 3, C = 5 and so on, what do the numbers 3, 9, 7 stand for ?

(a) BID

(b) BAD

(c) BED

(d) CAR

(5) None of these

Ans : (3)

Explanation : A → 1st position → 1

B → 2nd position → 2 + 1 = 3

C → 3rd position → 3 + 2 = 5

D → 4th position → 4 + 3 = 7

E → 5th position → 5 + 4 = 9

Hence, 3, 9, 7 stands for B, E, D.

19. Which choice provides the answer : If 2 + 3 = 10, 6 + 5 = 66, 7 + 2 = 63, 9 + 7 = 144 then, 8 + 4 = ?

(a) 48

(b) 144

(c) 96

(d) 55

(5) None of these

Ans : (3)

Explanation : By the rule 2 + 3 = 10

6 + 5 = 66

7 + 2 = 63

We see that two numbers are added first and then multiplied by first number. For, example see 7 + 2 = 9 then 9 * 7 = 63

∴ Here 8 + 4 = 12

then 8 * 12 = 96.

20. Which choice provides the answer in the following : If 2 * 3 = 36, 5 * 4 = 400, 6 * 2 = 144, 3 * 3 = 81; then, 5 * 5 = ?

(1) 255

(2) 625

(3) 10

(4) 25

(5) None of these

Ans : (2)

Explanation : As $2 * 3 = 6$ But here the rule framed as

$2 * 3 \rightarrow 62 \rightarrow 36$

$5 * 4 \rightarrow 202 \rightarrow 400$

$3 * 3 \rightarrow 92 \rightarrow 81$

$\therefore 5 * 5 \rightarrow (25)2 \rightarrow 625$