

## Section A

1. The length of a rectangle is three-fifth the side of a square. The radius of a circle is equal to side of the square. The circumference of the circle is 132 cm. What is the area of the rectangle if the breadth of the rectangle is 8 cm?

- (1) 112.4 sq. cm.
- (2) 104.2 sq. cm.
- (3) 100.8 sq. cm.
- (4) None of these

**(Answer: 3; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

2. Five-ninth of a number is equal to twenty five percent of second number. Second number is equal to one-fourth of third number. The value of third number is 2960. What is 30 percent of first number?

- (1) 88.8
- (2) 99.9
- (3) 66.6
- (4) None of these

**(Answer: 2; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Difficult)**

3. The respective ratio between present age of Manoj and Wasim is 3:11. Wasim is 12 years younger than Rehana. Rehana's age after 7 years will be 85 years. What is the present age of Manoj's father who is 25 years older than Manoj?

- (1) 43 years
- (2) 67 years
- (3) 45 years
- (4) 69 years

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

4. Dinesh's monthly income is four times Suresh's monthly income. Suresh's monthly income is twenty percent more than Jyoti's monthly income. Jyoti's monthly income is Rs. 22,000/, What is Dinesh's monthly income?

- (1) Rs.1,06,500/-
- (2) Rs. 1,05,600/-
- (3) Rs.1,04,500/-
- (4) Rs. 1,05,400/-

**(Answer: 2; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

5. Smallest side of a right angled triangle is 8 cm less than the side of a square of perimeter 56 cm. Second largest side of the right angled triangle is 4 cm less than the length of rectangle of area 96 sq. cm. and breadth 8 cm. What is the largest side of the right angled triangle?

- (1) 20cm
- (2) 12cm
- (3) 10cm
- (4) 15cm

**(Answer: 3; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Difficult)**

6. The ratio between the adjacent angles of a parallelogram is 7:8 respectively. Also the ratio between the angles of quadrilateral is 5:6:7:12. What is the sum of the smaller angle of parallelogram and second largest angle of the quadrilateral?

- (1)  $168^\circ$
- (2)  $228^\circ$
- (3)  $156^\circ$
- (4)  $224^\circ$

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

7. Raju runs 1250 meters on Monday and Friday. Other days he runs 1500 meters except on Sunday (He does not run on Sunday). How many kilometers will he run in 3 weeks (first day starting from Monday)?

- (1) 12.5 kms

(2) 20.5 kms

(3) 8.5 kms

(4) 25.5 kms

**(Answer: 4; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

8. The sum of nine consecutive odd numbers of set-A is 621. What is the sum of different set of six consecutive even numbers whose lowest number is 15 more than the lowest number of set-A?

(1) 498

(2) 468

(3) 478

(4) None of these

**(Answer: 4; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

9. In a school there are 250 students out of whom 12 percent are girls. Each girl's monthly fee is Rs. 450/-and each boy's monthly fee is 24 percent more than a girl. What is the total monthly fee of girls and boys together?

(1) Rs. 1,36,620/-

(2) Rs. 1,36,260/-

(3) Rs. 1,32,660/-

(4) Rs. 1,32,460/-

**(Answer: 2; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Difficult)**

10. The average speed of a train is  $\frac{10}{7}$  times the average speed of a car. The car covers a distance of 588 kms in 6 hours. How much distance will the train cover in 13 hours?

(1) 1750 kms

(2) 1760 lcms

(3) 1720 kms

(4) 1820 kms

**(Answer: 4; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

11. What would be the cost of laying a carpet on a floor which has, its length and breadth in the respective ratio of 32 : 21 and where its perimeter is 212 feet, if the cost per square foot of laying the carpet is Rs. 2.5?

- (1) Rs. 6,720/-
- (2) Rs. 5,420/-
- (3) Rs. 7,390/-
- (4) None of these

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

12. The simple interest accrued on an amount at the end of five years @ 12.5 p.c.p.a. is Rs. 1,575/-. What is the amount?

- (1) Rs. 2,050/-
- (2) Rs. 2,550/-
- (3) Rs. 2,250/-
- (4) Rs. 2,520/-

**(Answer: 4; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

13. A 260 meters long train crosses a platform thrice its length in 80 seconds. What is the speed of the train in Kms/hour?

- (1) 52.4
- (2) 46.8
- (3) 35.1
- (4) None of these

**(Answer: 2; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

14. If the cost of 8 erasers and 5 sharpeners is Rs. 31/-, what will be the cost of 24 erasers and 10 sharpeners?

- (1) Rs. 62/-
- (2) Rs. 84/-
- (3) Rs. 78/-
- (4) None of these

**(Answer: 3; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

15. In how many different ways can the letters of the word 'PRETTY' be arranged ?

- (1) 120
- (2) 36
- (3) 360
- (4) 720

**(Answer: 3; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

16. A boat while travelling upstream covers a distance of 18 kms. at the speed of 3 kms/hr. whereas while travelling downstream it covers the same distance at a speed of 9 kms/hr. what is the speed of the boat in still waters ?

- (1) 3 kms/hr
- (2) 5 kms/hr
- (3) 7 kms/hr
- (4) None of these

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Difficult)**

17. What is the area of a circle whose circumference is 132 cms. ?

- (1) 1562 sq.cms.
- (2) 1386 sq.cms.
- (3) 1434 sq.cms.
- (4) None of these

**(Answer: 2; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

18. Shreya,s bought an article and sold it for 125% percent of its cost price. What was the cost price of the article, if Shreyas sold it for Rs. 30,750/-?

- (1) Rs. 24,600/-
- (2) Rs. 25,640/-
- (3) RS. 24,250/-
- (4) Rs. 23,200/-

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

19. The ages of Mira, Tina and Sania are in the ratio of 6: 4 : 7 respectively. If the sum of their ages is 34 years, what is Sania's age ?

- (1) 12 years
- (2) 10 years
- (3) 18 years
- (4) None of these

**(Answer: 4; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

20. A basket contains three red and four green balls. If four balls are drawn at random from the basket, what is the probability that two are red and two are green?

- (1)  $\frac{4}{7}$
- (2)  $\frac{2}{7}$
- (3)  $\frac{18}{35}$
- (4)  $\frac{3}{14}$

**(Answer: 3; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

Direction (21-25) : Each of the questions given below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and

Give answer (1): if the data in only and exactly one of the statements alone is sufficient to answer the question.

Give answer (2): if the data in statement I alone or in statement I alone is sufficient to answer the question.

Give answer (3): if the data in both the statements I and II is not sufficient to answer the question.

Give answer (4): if the data in both the statements I and II together is necessary to answer the question.

21. What is the product of X and Y?

I.  $Y=X-28$

II.  $-42-12=X$

**(Answer: 4; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

22. What is the rate of interest %p.a. ?

I. An amount doubles itself in five years at simple interest.

II. Simple interest of Rs. 1,600/- is obtained in two years on an amount of Rs. 4,000/-

**(Answer: 2; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

23. In how many hours an A alone complete the piece of work ?

I. B alone can complete the piece of work in 28 hours.

II. A, B and C together can complete the piece of work in 18 hours.

**(Answer: 3; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

24. What will Anjali's age be five years from now ?

I. Angali's present age is twice Tosha's present age.

II. Tosha, who is half Aniali's present age, was 21 years old five years age.

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

25. What is the perimeter of the square ?

I. The measure of one of its sides is 10cms.

II. The measure of its diagonal is 10cms.

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

Direction (26-30) : Study the following table carefully to answer the questions that follow :

*Percentage of marks obtained by five students in three subjects*

| Subject<br>(Max. Marks) | Maths<br>(150) | Science<br>(100) | English<br>(50) |
|-------------------------|----------------|------------------|-----------------|
| Student                 |                |                  |                 |
| Miloni                  | 94             | 83               | 74              |
| Satish                  | 72             | 88               | 68              |
| Rachana                 | 86             | 75               | 66              |
| Purab                   | 90             | 61               | 82              |
| Mansi                   | 68             | 67               | 72              |

26. What are the total marks obtained by Satish in all the subjects together ?

- (1) 230
- (2) 232
- (3) 228
- (4) 226

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

27. What are the average marks obtained by all the students in Maths ?

- (1) 137
- (2) 123
- (3) 127
- (4) 132

**(Answer: 2; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

28. What is Miloni's overall percentage in the exam ?

- (1) 75



(2) 79

(3) 87

(4) 85

**(Answer: 3; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Easy)**

29. What is the respective ratio of marks obtained by Purab in Science and English together to the marks obtained by Rachana in the same subjects ?

(1) 17 : 18

(2) 11 : 13

(3) 15 : 19

(4) 21 : 23

**(Answer: 1; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

30. How many students have scored more than 80 percent in more than one subject ?

(1) None

(2) One

(3) Three

(4) Two

**(Answer: 4; Experience: None; Taxonomy: None; Score: 1; Wscore: -0.25; Shuffle: Yes; Level: Moderate)**

| Question | Answer |
|----------|--------|
| 1        | 3      |
| 2        | 2      |
| 3        | 1      |
| 4        | 2      |
| 5        | 3      |
| 6        | 1      |
| 7        | 4      |
| 8        | 4      |
| 9        | 2      |
| 10       | 4      |
| 11       | 1      |
| 12       | 4      |
| 13       | 2      |
| 14       | 3      |
| 15       | 3      |
| 16       | 1      |
| 17       | 2      |

|    |   |
|----|---|
| 18 | 1 |
| 19 | 4 |
| 20 | 3 |
| 21 | 4 |
| 22 | 2 |
| 23 | 3 |
| 24 | 1 |
| 25 | 1 |
| 26 | 1 |
| 27 | 2 |
| 28 | 3 |
| 29 | 1 |
| 30 | 4 |