**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°

(2) 228°

(3) 156°

(4) 224°

**(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 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 lcms. at the speed of 3 lams/hr. whereas while travelling downstream it covers the same distance at a speed of 9 lans/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)

(2)

(3)

(4)

**(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 in 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  (Max. Marks) | Maths  (150) | Science  (100) | English  (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 |