

VII STD.

Class 07 - Admission Test

Time Allowed: 30 minutes

Maximum Marks: 25

General Instructions:

All the questions are compulsory.

- Which one of the following is correct for the decimal notation of $0.60 + \frac{6}{11} - \frac{7}{9}$? [1]
a) 0.478
b) 1.654
c) 0.368
d) 1.456
- Decimal notation of $\frac{3}{8}$ is _____. [1]
a) 37.5
b) 3.05
c) 0.375
d) 3.75
- What is the place value of 7 in the given decimal 924.75? [1]
a) Tenth
b) Hundredth
c) Ones
d) Tens
- Add without using number line: $(-250) + (+150)$ [1]
a) 50
b) -100
c) -50
d) 100
- Given that $0 < p < q < r < s$ and p, q, r, s are integers, which of the following is the smallest? [1]
a) $\frac{p+s}{q+r}$
b) $\frac{q+s}{p+r}$
c) $\frac{p+q}{r+s}$
d) $\frac{r+s}{p+q}$
- The value of $400 \times 4 \times 0 \times 5$ is _____. [1]
a) 12700
b) 14000
c) 0
d) 1200
- The cost of the toffee is 50 paise and the cost of chocolate is ₹ 10. Find the ratio of the cost of toffee to the cost of chocolate. [1]
a) It is 1:50
b) It is 20:1
c) It is 50:1
d) It is 1:20
- The area of the largest square that can be cut out of a circle of radius 18 cm is _____. [1]
a) 598 cm^2
b) 576 cm^2
c) 648 cm^2
d) 624 cm^2

9. Which letter looks the same after reflection when the mirror is placed vertically? [1]
 - a) P
 - b) H
 - c) Q
 - d) S
 10. Which one of the following ratio is equivalent to 15 : 5? [1]
 - a) 3 : 1
 - b) 1 : 2
 - c) 5 : 1
 - d) 4 : 1
 11. A car travels a distance of 715 km by a constant speed. If its speed is 10 km/hr more than it can cover distance in 2 hrs less. What was the original speed of car? [1]
 - a) 45 km/h
 - b) 60 km/h
 - c) 65 km/h
 - d) 55 km/h
 12. Two numbers are in the ratio 7 : 9. If the sum of the numbers is 112, then the larger number is _____. [1]
 - a) 42
 - b) 63
 - c) 72
 - d) 49
 13. The perimeter of an isosceles triangle with an equal side of length 4 cm and third side of length 6 cm will be: [1]
 - a) 14 cm
 - b) 16 cm
 - c) 10 cm
 - d) 12 cm
 14. If the diagonal of any square becomes double then its area- [1]
 - a) Remain double
 - b) Will become four times
 - c) Will become three times
 - d) Remain equal
 15. Which of the fraction is largest from given fractions? [1]

$\frac{2}{3}, \frac{4}{5}, \frac{3}{8}, \frac{1}{2}$

 - a) $\frac{4}{5}$
 - b) $\frac{2}{3}$
 - c) $\frac{1}{2}$
 - d) $\frac{3}{8}$
 16. An integer with positive sign (+) is always greater than [1]
 - a) 3
 - b) 0
 - c) 2
 - d) 1
 17. The sum of a natural number with a whole number is always: [1]
 - a) an even number
 - b) a natural number
 - c) 0
 - d) odd number
 18. Which one of the following is reduced and fractional form of the decimal number 0.06? [1]
 - a) $\frac{1}{25}$
 - b) $\frac{67}{25}$
 - c) $\frac{3}{50}$
 - d) $\frac{676}{251}$
 19. The letter O of the English alphabet has [1]
 - a) three lines of symmetry
 - b) one line of symmetry
 - c) two lines of symmetry
 - d) no line of symmetry

20. If x and y are two co-primes, then their LCM is _____. [1]

- a) $\frac{x}{y}$ b) 1
c) $x + y$ d) xy

21. The instrument in the geometry box having the shape of a triangle is called a [1]

- a) set-square b) protractor
c) compasses d) divider

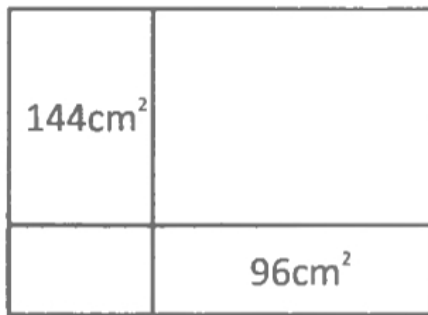
22. Which of the following fraction is a like fraction of $\frac{1}{15}$? [1]

- a) $\frac{15}{2}$ b) $\frac{2}{15}$
c) $\frac{3}{7}$ d) $\frac{5}{7}$

23. The diameter of a circle is 16 m. What is the difference between the diameter and the radius of the circle? [1]

- a) 16 m b) 6 m
c) 10m d) 8 m

24. The square shown below has been divided into four rectangles. If the length of each of the segments in the diagram is an integer, and the areas of two rectangles are 144 cm^2 and 96 cm^2 (as shown), then find the area of the original square? [1]



- a) 576 cm^2 b) 676 cm^2
c) 625 cm^2 d) 784 cm^2

25. How many cars were produced in the month of September? [1]

= 100 cars ← One symbol stands for 100 cars			
July		= 250	denotes $\frac{1}{2}$ of 100
August		= 300	
September		= ?	

- a) 500 b) 400
c) 300 d) 450