

Sample Question Paper

1. What is the place value of 6 in 706,227,329?

- (A) Million (B) 6 million
(C) 6 (D) 60 million
(E) None of these

2. Which of the following numbers is equivalent to one billion?

- (A) 10 lakh (B) 1 crore
(C) 10 crore (D) 100 crore
(E) None of these

3. How many numbers are there containing 2-digits?

- (A) 100 (B) 99
(C) 90 (D) 89
(E) None of these

4. How many 7-digit numbers are there?

- (A) 8999999 (B) 9999999
(C) 1000000 (D) 9000000
(E) None of these

5. How many millimeters make one metre?

- (A) 10 (B) 100
(C) 1000 (D) 1/10
(E) None of these

6. Which of the following is correct ?

- (A) $-99 < 0 < 2 < -37$
(B) $-99 < -37 < 0 < 2$
(C) $-37 < 0 < 2 < -99$
(D) $-37 < -99 < 0 < 2$
(E) None of these

7. Product of two integers is -48 . If one of the integers is -6 , then the other is ____.

- (A) 1 (B) 288
(C) 0 (D) 8
(E) None of these

8. **Multiplying a negative integer for odd number of times gives a _____ result.**
(A) Positive (B) Negative
(C) 0 (D) Both (A) and (B)
(E) None of these
9. **Difference between the face values of 5 & 9 in 165,234 & 842, 928 is ____.**
(A) 4100 (B) 5900
(C) 4 (D) 14
(E) None of these
10. **In a cricket match B scored 25 runs more than A. C scored 35 runs more than A. If their total score was 75 A's score was _____.**
(A) 0 (B) 5
(C) 10 (D) 75
(E) None of these
11. **A number is always divisible by 90 if _____.**
(A) It is divisible by both 2 and 45 (B) It is divisible by both 5 and 18
(C) It is divisible by both 9 and 10 (D) All of these
(E) None of these
12. **LCM of two co-prime numbers is their _____.**
(A) Sum (B) Difference
(C) Product (D) Quotient
(E) None of these
13. **The numbers which are not multiples of 2 are called _____ numbers.**
(A) Even (B) Odd
(C) Prime (D) Composite
(E) None of these
14. **1265 is divisible by _____.**
(A) 2 (B) 3
(C) 10 (D) 11
(E) None of these
15. **The reciprocal of the smallest prime is _____.**
(A) 0 (B) $1/2$
(C) $2/1$ (D) 1
(E) None of these

16. Which of the following is incorrect?

- (A) $5 > 0$ (B) $6 < -8$
 (C) $7 > -13$ (D) $5 < 9$
 (E) None of these

17. The set of negative numbers and whole numbers is called _____.

- (A) Counting numbers (B) Positive numbers
 (C) Integers (D) Zero
 (E) None of these

18. The integer -15 is read as

- (A) negative 15 (B) subtract 15
 (C) minus 15 (D) negative 15 units
 (E) None of these

19. Which set of integers below is not in decending order?

- (A) $8, 7, 6, 0, -2$ (B) $6, 0, -2, 5, -9$
 (C) $123, -74, -89, -154, -205$ (D) $0, -5, 6, -9, -15$
 (E) None of these

20. Which of the following shows the least rise in temperature?

- (A) 0°C to 15°C (B) -20°C to -8°C
 (C) -4°C to 12° (D) -9°C to 0°C
 (E) None of these

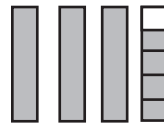
21. Which mixed fraction represents the shaded parts in the given figure?

(A) $4\frac{4}{5}$

(B) $3\frac{1}{5}$

(C) $3\frac{4}{5}$

(D) $4\frac{1}{5}$



- (E) None of these

22. What fraction of a day is 8 hours?

(A) $\frac{1}{3}$

(B) $\frac{1}{8}$

(C) $\frac{2}{3}$

(D) $\frac{3}{2}$

- (E) None of these

23. Which of the following is of the greatest value?

(A) $\frac{9}{24}$

(B) $\frac{12}{24}$

(C) $\frac{8}{24}$

(D) $\frac{20}{24}$

(E) None of these

24. Which two fractions are not equivalent ?

(A) $\frac{1}{2}$ and $\frac{2}{4}$

(B) $\frac{4}{3}$ and $\frac{8}{6}$

(C) $\frac{1}{5}$ and $\frac{3}{15}$

(D) $\frac{2}{3}$ and $\frac{8}{9}$

(E) None of these

25. Which one of the following is a proper fraction?

(A) $\frac{5}{9}$

(B) $\frac{11}{4}$

(C) $\frac{13}{7}$

(D) $\frac{23}{17}$

(E) None of these

26. Write $\frac{7}{10}$ as decimal:

(A) 0.7

(B) 7.0

(C) 0.07

(D) 0.007

(E) None of these

27. The number 12.061 is read as _____.

(A) One two zero six one

(B) Twelve thousand sixty one

(C) One two point sixty one

(D) Twelve point zero six one

(E) None of these

28. 2.95358 rounded off to 3 decimal places becomes _____.

(A) 2.953

(B) 2.954

(C) 2.955

(D) 2.956

(E) None of these

29. Express 0.0777 as a fraction:

(A) $\frac{777}{10}$

(B) $\frac{777}{100}$

(C) $\frac{777}{1000}$

(D) $\frac{777}{10000}$

(E) None of these

30. Express 0.03 as a fraction:

(A) $\frac{3}{10}$

(B) $\frac{3}{100}$

(C) $\frac{1}{30}$

(D) $\frac{1}{300}$

(E) None of these

31. How many pencils did Rohit get?

(A) $a+2$

(B) $a-2$

(C) $\frac{a}{2}$

(D) $2a$

(E) None of these

32. The value of y for which the expression $y-15$ and $2y + 1$ becomes equal is _____.

(A) 0

(B) 16

(C) 8

(D) -16

(E) None of these

33. Perimeter of an equilateral triangle of side 'a' units is

(A) $(3+a)$ units

(B) $\frac{3}{a}$ units

(C) $(3-a)$ units

(D) $3a$ units

(E) None of these

34. The relation between x and a is given by _____.

(A) $x = \frac{a}{3} + 1$

(B) $x = \frac{a}{3} - 1$

(C) $x = 3a - 1$

(D) $x = 3a + 1$

(E) None of these

35. The value of variable in the expression is _____.

(A) Fixed

(B) Not fixed

(C) One

(D) Zero

(E) None of these

36. In a $\triangle ABC$, if $3\angle A = 4\angle B = 6\angle C$, then $\angle A$, $\angle B$ and $\angle C$ respectively, are

(A) $70^\circ, 70^\circ, 40^\circ$ (B) $80^\circ, 60^\circ, 40^\circ$ (C) $60^\circ, 60^\circ, 60^\circ$ (D) $75^\circ, 45^\circ, 60^\circ$

(E) None of these

37. A's money is to B's money as 4 : 5 and B's money is to C's money as 2 : 3. If A has ₹800, C has _____

(A) ₹1000

(B) ₹1200

(C) ₹1500

(D) ₹2000

(E) None of these

38. The middle terms if four different numbers are in proportion are called _____.

(A) Antecedents

(B) Means

(C) Extremes

(D) Consequents

(E) None of these

39. The greatest ratio among the following ratio is _____.

(A) 2 : 3

(B) 5 : 8

(C) 75 : 121

(D) 40 : 25

(E) None of these

40. The missing number in the equivalent ratios $\frac{14}{21} = \frac{6}{\dots}$ is _____.

(A) 7

(B) 8

(C) 3

(D) 9

(E) None of these

41. Perimeter of a triangle is the sum of the lengths of all the _____ sides.
- (A) 4 (B) 2
(C) 3 (D) 6
(E) None of these
42. The length of a rectangle is $\left(\frac{6}{5}\right)^{th}$ of its breadth. If its perimeter is 132 m, its area will be _____.
- (A) 1080 m² (B) 640 m²
(C) 1620 m² (D) 2160 m²
(E) None of these
43. The total cost of flooring a room at ₹ 8.50 per sq. metre is ₹ 510. If the length of the room is 8 metres, find its breadth.
- (A) 7.4 m (B) 7.5 m
(C) 8.5 m (D) 5.8 m
(E) None of these
44. Area of a square having perimeter 32 cm is _____.
- (A) 64 cm² (B) 32 cm²
(C) 16 cm² (D) 4 cm²
(E) None of these
45. What is the cost of fencing a rectangular park of length 300 m and breadth 200 m at the rate of ₹ 24 per metre?
- (A) ₹ 12000
(B) ₹ 18000
(C) ₹ 24000
(D) ₹ 30000
(E) None of these
46. How many line segments can be drawn through a given initial point?
- (A) One (B) Two
(C) Three (D) Unlimited
(E) None of these
47. Number of end points a line has _____.
- (A) One (B) Two
(C) Three (D) All of these
(E) None of these

48. How many lines can be drawn passing through a given point?

- (A) One (B) Two
(C) Three (D) Unlimited
(E) None of these

49. How many lines can be drawn through two distinct points in a plane?

- (A) One (B) Two
(C) Three (D) Unlimited
(E) None of these

50. The least number of non collinear points required to determine a plane is _____.

- (A) One (B) Two
(C) Three (D) Infinite
(E) None of these

Note: The actual Question Paper will translated in Hindi at the time of exam.

Darken your choice with HB Pencil																							
1	A	B	C	D	E	14	A	B	C	D	E	27	A	B	C	D	E	40	A	B	C	D	E
2	A	B	C	D	E	15	A	B	C	D	E	28	A	B	C	D	E	41	A	B	C	D	E
3	A	B	C	D	E	16	A	B	C	D	E	29	A	B	C	D	E	42	A	B	C	D	E
4	A	B	C	D	E	17	A	B	C	D	E	30	A	B	C	D	E	43	A	B	C	D	E
5	A	B	C	D	E	18	A	B	C	D	E	31	A	B	C	D	E	44	A	B	C	D	E
6	A	B	C	D	E	19	A	B	C	D	E	32	A	B	C	D	E	45	A	B	C	D	E
7	A	B	C	D	E	20	A	B	C	D	E	33	A	B	C	D	E	46	A	B	C	D	E
8	A	B	C	D	E	21	A	B	C	D	E	34	A	B	C	D	E	47	A	B	C	D	E
9	A	B	C	D	E	22	A	B	C	D	E	35	A	B	C	D	E	48	A	B	C	D	E
10	A	B	C	D	E	23	A	B	C	D	E	36	A	B	C	D	E	49	A	B	C	D	E
11	A	B	C	D	E	24	A	B	C	D	E	37	A	B	C	D	E	50	A	B	C	D	E
12	A	B	C	D	E	25	A	B	C	D	E	38	A	B	C	D	E						
13	A	B	C	D	E	26	A	B	C	D	E	39	A	B	C	D	E						