

HTET MATHEMATICS – 50 PYQ BASED MCQs*(PRT / TGT Focused)*

123 PART-1: NUMBER SYSTEM (Q1-10)

1. The smallest prime number is:
A. 0
B. 1
C. 2
D. 3
☒ **Answer: C**
2. LCM of 6 and 8 is:
A. 12
B. 18
C. 24
D. 48
☒ **Answer: C**
3. HCF of 24 and 36 is:
A. 6
B. 12
C. 18
D. 24
☒ **Answer: B**
4. Which of the following is an even number?
A. 13
B. 17
C. 21
D. 24
☒ **Answer: D**
5. The value of 15^2 is:
A. 225
B. 215
C. 235
D. 245
☒ **Answer: A**
6. How many digits are there in the number 9876?
A. 2
B. 3
C. 4
D. 5
☒ **Answer: C**

7. The successor of 999 is:

- A. 998
- B. 1000
- C. 1001
- D. 999

✓ Answer: B

8. Which number is divisible by 9?

- A. 123
- B. 135
- C. 142
- D. 154

✓ Answer: B

9. The sum of first 10 natural numbers is:

- A. 45
- B. 50
- C. 55
- D. 60

✓ Answer: C

10. Which is not a prime number?

- A. 2
- B. 3
- C. 5
- D. 9

✓ Answer: D

÷ PART-2: FRACTIONS & DECIMALS (Q11–20)

11. $\frac{1}{2} + \frac{1}{4} =$

- A. $\frac{1}{6}$
- B. $\frac{2}{6}$
- C. $\frac{3}{4}$
- D. $\frac{1}{8}$

✓ Answer: C

12. Decimal form of $\frac{3}{5}$ is:

- A. 0.3
- B. 0.5
- C. 0.6
- D. 0.8

✓ Answer: C

13. $0.75 =$

- A. $\frac{1}{4}$

- B. $\frac{3}{4}$
C. $\frac{2}{3}$
D. $\frac{5}{6}$

✓ Answer: B

14. Which is the smallest fraction?

- A. $\frac{2}{3}$
B. $\frac{3}{5}$
C. $\frac{4}{7}$
D. $\frac{5}{8}$

✓ Answer: C

15. $2.5 + 1.75 =$

- A. 3.25
B. 4.00
C. 4.25
D. 4.50

✓ Answer: C

16. $\frac{7}{10}$ in decimal is:

- A. 0.07
B. 0.7
C. 7.0
D. 0.007

✓ Answer: B

17. $\frac{9}{3} =$

- A. 1
B. 2
C. 3
D. 6

✓ Answer: C

18. $0.4 \times 10 =$

- A. 0.04
B. 4
C. 40
D. 0.4

✓ Answer: B

19. Which fraction is equivalent to $\frac{1}{2}$?

- A. $\frac{2}{3}$
B. $\frac{3}{4}$
C. $\frac{4}{8}$

D. $\frac{5}{6}$

✓ Answer: C

20. $\frac{5}{6} - \frac{1}{6} =$

A. $\frac{1}{6}$

B. $\frac{3}{6}$

C. $\frac{4}{6}$

D. $\frac{5}{6}$

✓ Answer: C

 PART-3: GEOMETRY & MENSURATION (Q21-30)

21. A triangle has ____ sides.

A. 2

B. 3

C. 4

D. 5

✓ Answer: B

22. A square has ____ equal sides.

A. 2

B. 3

C. 4

D. 5

✓ Answer: C

23. The perimeter of a square of side 5 cm is:

A. 10 cm

B. 15 cm

C. 20 cm

D. 25 cm

✓ Answer: C

24. Area of a rectangle =

A. $l + b$

B. $2(l + b)$

C. $l \times b$

D. $l - b$

✓ Answer: C

25. How many angles are there in a triangle?

A. 2

B. 3

C. 4

D. 6

✓ Answer: B

26. A right angle is equal to:

- A. 45°
- B. 60°
- C. 90°
- D. 180°

✓ Answer: C

27. The shape of a coin is:

- A. Square
- B. Rectangle
- C. Circle
- D. Triangle

✓ Answer: C

28. The sum of angles of a triangle is:

- A. 90°
- B. 180°
- C. 270°
- D. 360°

✓ Answer: B

29. How many faces does a cube have?

- A. 4
- B. 5
- C. 6
- D. 8

✓ Answer: C

30. Diameter of a circle is:

- A. Half of radius
- B. Equal to radius
- C. Double of radius
- D. Triple of radius

✓ Answer: C

 PART-4: ARITHMETIC (Q31-50)

31. 20% of 200 =

- A. 20
- B. 40
- C. 60
- D. 80

✓ Answer: B

32. Simple Interest formula is:

- A. $P + R + T$
- B. $P \times R \times T$
- C. $(P \times R \times T) / 100$

D. P – R – T

✓ Answer: C

33. If CP = ₹100 and SP = ₹120, profit is:

A. ₹10

B. ₹15

C. ₹20

D. ₹25

✓ Answer: C

34. 1 km = ____ metres

A. 100

B. 500

C. 1000

D. 1500

✓ Answer: C

35. Average of 2, 4, 6 is:

A. 3

B. 4

C. 5

D. 6

✓ Answer: B

36. $12 \times 8 =$

A. 86

B. 92

C. 96

D. 98

✓ Answer: C

37. $144 \div 12 =$

A. 10

B. 11

C. 12

D. 13

✓ Answer: C

38. 3 hours = ____ minutes

A. 120

B. 150

C. 180

D. 200

✓ Answer: C

39. Ratio of 2 : 4 is equal to:

A. 1 : 4

B. 1 : 2

C. 2 : 1

D. 4 : 1

✓ Answer: B

40. The value of 5^3 is:

A. 15

B. 25

C. 75

D. 125

✓ Answer: D

41. If $x + 5 = 10$, then $x =$

A. 2

B. 3

C. 5

D. 10

✓ Answer: C

42. Roman numeral for 50 is:

A. L

B. X

C. C

D. V

✓ Answer: A

43. The place value of 7 in 372 is:

A. 7

B. 70

C. 700

D. 72

✓ Answer: B

44. Which is the smallest number?

A. 0

B. 1

C. -1

D. 2

✓ Answer: C

45. $100 - 45 =$

A. 45

B. 50

C. 55

D. 65

✓ Answer: C

46. The value of π (approx) is:

A. 3

B. 3.14

C. 3.41

D. 4

✓ Answer: B

47. How many months are there in a year?

A. 10

B. 11

C. 12

D. 13

✓ Answer: C

48. The smallest even number is:

A. 0

B. 1

C. 2

D. 4

✓ Answer: A

49. $9 \times 9 =$

A. 72

B. 81

C. 90

D. 99

✓ Answer: B

50. Which number comes next: 2, 4, 6, ____

A. 7

B. 8

C. 9

D. 10

✓ Answer: B