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February 2026

Trinity ITI

Answer Key

Duration: 60 Mins

Total Marks: 29

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1. What is the improper fraction for the given mixed fraction $7 \frac{3}{7}$?

- A) $\frac{7}{52}$ B) $\frac{7}{28}$
C) $\frac{52}{7}$ D) $\frac{28}{7}$

Answer: C) $\frac{52}{7}$

2. What is the x value for $x^2 + 62 = 126$?

- A) 8 B) 6
C) 4 D) 10

Answer: A) 8

3. What is the LCM of 12, 18, 6, 36?

- A) 18 B) 42
C) 36 D) 12

Answer: C) 36

4. What is the square root of 529?

- A) 12 B) 33
C) 23 D) 43

Answer: C) 23

5. What denotes letter M in MKS system?

- A) Mile B) Meter
C) Micron D) Millimeter

Answer: B) Meter

6. Simplify: $\frac{3}{4} + \frac{2}{5} - \frac{5}{20}$

- A) $\frac{12}{10}$ B) $\frac{13}{10}$
C) $\frac{3}{10}$ D) $\frac{9}{10}$

Answer: D) $\frac{9}{10}$

7. What is the square root of 0.017?

- A) 0.13 B) 0.001
C) 0.000001 D) 0.00001

Answer: A) 0.13

8. A motor cycle tyre is sold for Rs 300/- what is the purchase price if 25% profit is added to it.

- A) Rs 200 B) Rs 220
C) Rs 260 D) Rs 240

Answer: D) Rs 240

9. What is the length of each part is a copper wire of 225

metre long is cut into 900 equal parts?

- A) 0.28 metre B) 0.23 metre
C) 0.25 metre D) 0.29 metre

Answer: C) 0.25 metre

10. What is the HCF of 18, 42, 24?

- A) 24 B) 6
C) 2 D) 18

Answer: B) 6

11. How much is 8% of 40 kg?

- A) 3.2 kg B) 5.2 kg
C) 2.2 kg D) 4.2 kg

Answer: A) 3.2 kg

12. Divide $\frac{20}{31} \div \frac{15}{62}$

- A) $2\frac{3}{2}$ B) $2\frac{4}{3}$
C) $2\frac{2}{3}$ D) $2\frac{1}{3}$

Answer: C) $2\frac{2}{3}$

13. What is the square root of decimal number 550.37?

- A) 22.46 B) 21.26
C) 22.26 D) 23.46

Answer: D) 23.46

14. Convert 0.456 decimal fraction into percentage?

- A) 45.6 B) 0.0456
C) 0.456 D) 0.000456

Answer: A) 45.6

15. What is the definition of ratio?

- A) Relation of two quantities of the same kind B) Relation of two quantities of the different kind
C) Equality between two ratios D) Inequality between two ratios

Answer: A) Relation of two quantities of the same kind

16. What are the two classifications of system of units?

- A) Metric and International B) Fundamental and derived
C) British and Metric D) Gravitational and non-gravitational

Answer: B) Fundamental and derived

17. Convert decimal 0.000659 to fraction?

- A) (659/100000) B) (659/1000000)
C) (659/1000) D) (659/10000)

Answer: B) (659/1000000)

18. What percentage of 80 is 20?

- A) 0.25 B) 0.2
C) 0.4 D) 0.8

Answer: A) 0.25

19. How many millimetres are there in 1 inch?

- A) 2.45 mm B) 2.54 mm
C) 25.4 mm D) 24.5 mm

Answer: C) 25.4 mm

20. What is the product of 0.003 x 0.5?

- A) 0.00015 B) 0.0015
C) 0.015 D) 0.15

Answer: B) 0.0015

21. Simplify: (17.49x5.2)/(6.5)

- A) 13.79 B) 13.69
C) 13.99 D) 13.89

Answer: C) 13.99

22. Convert 52% into fraction?

- A) (17/25) B) (13/25)
C) (11/25) D) (9/25)

Answer: B) (13/25)

23. What is the decimal fraction of conversion of 18.5%?

- A) 0.175 B) 0.165
C) 0.195 D) 0.185

Answer: D) 0.185

24. What is the length L2, if total length (L) is 2.75 metre and L1:L2 = 2:3?

- A) 1.25 metre B) 1.65 metre
C) 1.1 metre D) 1.75 metre

Answer: B) 1.65 metre

25. What are fundamental units?

- A) Length, Mass, Area B) Length, Mass, Volume
C) Length, Pressure, Volume D) Length, Mass, Time

Answer: D) Length, Mass, Time

26. How many days a mechanic takes to assemble 64 machines if he assembles 8 machines in 3 days?

- A) 20 days B) 26 days
C) 24 days D) 22 days

Answer: C) 24 days

27. What will be the rpm of smaller gear if a 180 mm dia meshes with 60 mm dia gear and the bigger gear makes 60 rpm?

- A) 140 rpm B) 160 rpm
C) 120 rpm D) 180 rpm

Answer: D) 180 rpm

28. What is the ratio of 4 kg to 800 grams?

- A) 02:04 B) 04:08
C) 08:04 D) 05:01

Answer: D) 05:01

29. What is the percentage of copper if the casting weight of copper 42.3 kg and tin weight 2.7 kg?

- A) Cu 92% B) Cu 98%
C) Cu 94% D) Cu 96%

Answer: C) Cu 94%