

Duration: 30 Mins

Total Marks: 29

Q.ID: ITISKILL1617MI

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

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

Answer: A) Cu 94%

2. Convert 52% into fraction?

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

Answer: B) (13/25)

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

- A) "28/7" B) "7/52"
C) (52/7) D) "7/28"

Answer: C) (52/7)

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

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

Answer: C) 24 days

5. How much is 8% of 40 kg?

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

Answer: D) 3.2 kg

6. What is the product of 0.003×0.5 ?

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

Answer: A) 0.0015

7. How many millimetres are there in 1 inch?

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

Answer: D) 25.4 mm

8. What percentage of 80 is 20?

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

Answer: B) 0.25

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

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

Answer: B) 23.46

10. Divide $(20/31) \div (15/62)$

- A) $2(2/3)$ B) $2(1/3)$
C) $2(3/2)$ D) $2(4/3)$

Answer: A) $2(2/3)$

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

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

Answer: B) 1.65 metre

12. What is the definition of ratio?

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

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

13. Simplify: $(3/4) + (2/5) - (5/20)$

- A) (13/10) B) (3/10)
C) (12/10) D) (9/10)

Answer: D) (9/10)

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

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

Answer: A) 8

15. What is the square root of 529?

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

Answer: D) 23

16. What is the square root of 0.017?

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

Answer: B) 0.13

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

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

Answer: B) 0.185

18. What denotes letter M in MKS system?

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

Answer: A) Meter

19. 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) 180 rpm B) 140 rpm
C) 160 rpm D) 120 rpm

Answer: A) 180 rpm

20. What is the length of each part is a copper wire of 225 metre long is cut into 900 equal parts?

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

Answer: A) 0.25 metre

21. Convert decimal 0.000659 to fraction?

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

Answer: D) $(659/1000000)$

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

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

Answer: B) 05:01

23. Convert 0.456 decimal fraction into percentage?

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

Answer: C) 45.6

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

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

Answer: D) Rs 240

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

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

Answer: D) Fundamental and derived

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

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

Answer: A) 6

27. Simplify: $(17.49 \times 5.2) / (6.5)$

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

Answer: D) 13.99

28. What are fundamental units?

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

Answer: D) Length, Mass, Time

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

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

Answer: A) 36