

09:27 AM

February 2026

Trinity ITl Udyavara

Answer Key

Duration: 30 Mins

Total Marks: 20

Q.ID: ITISKILL7393AY

1. Convert 52% into fraction?

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

Answer: D) (13/25)

2. What percentage of 80 is 20?

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

Answer: D) 0.25

3. How much is 8% of 40 kg?

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

Answer: C) 3.2 kg

4. Convert 0.456 decimal fraction into percentage?

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

Answer: D) 45.6

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

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

Answer: C) 36

6. Convert decimal 0.000659 to fraction?

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

Answer: A) (659/1000000)7. What is the length L₂, if total length (L) is 2.75 metre and L₁:L₂ = 2:3?

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

Answer: C) 1.65 metre

8. What is the definition of ratio?

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

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

9. 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) 160 rpm B) 120 rpm
C) 180 rpm D) 140 rpm

Answer: C) 180 rpm

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

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

Answer: B) 6

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

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

Answer: D) 0.25 metre

12. 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 94%
C) Cu 98% D) Cu 96%

Answer: B) Cu 94%

13. What are fundamental units?

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

Answer: D) Length, Mass, Time

14. What is the square root of 529?

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

Answer: A) 23

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

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

Answer: A) 24 days

16. What is the product of 0.003 x 0.5?

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

Answer: A) 0.0015

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

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

Answer: B) (9/10)

18. How many millimetres are there in 1 inch?

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

Answer: A) 25.4 mm

19. Divide $(20/31)/(15/62)$

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

Answer: B) 2(2/3)

20. What is the square root of 0.017?

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

Answer: C) 0.13