

01:52 PM

January 2026

Trinity iti Udupi

Question Paper

Duration: 60 Mins

Total Marks: 15

ID: ITISKILL2806PD

Student Name: _____ Roll No: _____

1. Convert 52% into fraction?

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

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

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

3. What is the square root of 0.017?

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

4. What is the definition of ratio?

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

5. What percentage of 80 is 20?

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

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

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

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

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

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

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

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

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

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

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

11. 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 240 D) Rs 260

12. 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) 120 rpm B) 180 rpm
C) 160 rpm D) 140 rpm

13. How much is 8% of 40 kg?

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

14. Convert 0.456 decimal fraction into percentage?

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

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

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