

Duration: 60 Mins

Total Marks: 15

ID: ITISKILL2309PO

Student Name: _____ Roll No: _____

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

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

2. 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) 120 rpm D) 160 rpm

3. How much is 8% of 40 kg?

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

4. 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%

5. What percentage of 80 is 20?

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

6. What is the square root of 0.017?

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

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

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

8. Convert 0.456 decimal fraction into percentage?

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

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

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

10. Convert 52% into fraction?

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

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

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

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

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

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

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

14. 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

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

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