

Duration: 30 Mins

Total Marks: 15

ID: ITISKILL3215JY

Student Name: _____	Roll No: _____
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1. 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) 140 rpm
C) 120 rpm D) 180 rpm

2. What is the square root of 0.017?

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

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

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

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

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

5. Convert 0.456 decimal fraction into percentage?

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

6. Convert 52% into fraction?

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

7. 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 200
C) Rs 240 D) Rs 260

8. What percentage of 80 is 20?

- A) 0.2 B) 0.8

C) 0.25

D) 0.4

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

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

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

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

11. 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%

12. How much is 8% of 40 kg?

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

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

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

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

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

15. What is the definition of ratio?

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