

# MONTHLY TEST

## FEB-26

Q. ID: ITISKILL691615

February 2026

GOVT ITI HOLENARASIPURA

Answer Key

Duration: 30 Mins

Total Marks: 15

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

Answer: C) 180 rpm

2. What is the definition of ratio?

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

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

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

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

Answer: D) 0.185

4. Convert 0.456 decimal fraction into percentage?

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

Answer: D) 45.6

5. What is the square root of 0.017?

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

Answer: B) 0.13

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

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

Answer: D) Rs 240

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

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

Answer: C) 05:01

8. 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

9. What percentage of 80 is 20?

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

Answer: B) 0.25

10. Convert 52% into fraction?

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

Answer: A) (13/25)

11. 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%

12. 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

Answer: B) 1.65 metre

13. How much is 8% of 40 kg?

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

Answer: D) 3.2 kg

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

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

Answer: C) 23.46

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

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

Answer: C) 8