

09:27 AM

February 2026

Trinity ITI Udyavara

Question Paper

Duration: 30 Mins

Total Marks: 20

ID: ITISKILL7393AY

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

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

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

2. How much is 8% of 40 kg?

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

3. What percentage of 80 is 20?

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

4. Convert decimal 0.000659 to fraction?

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

5. What is the product of  $0.003 \times 0.5$ ?

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

6. What is the definition of ratio?

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

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

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

8. What is the square root of 529?

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

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

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

10. How many millimetres are there in 1 inch?

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

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

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

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

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

13. What is the square root of 0.017?

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

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

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

15. 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

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

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

17. What are fundamental units?

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

18. Convert 52% into fraction?

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

19. 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) 140 rpm
- C) 180 rpm

- B) 120 rpm
- D) 160 rpm

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**20.** Convert 0.456 decimal fraction into percentage?

- A) 0.0456
- C) 0.456

- B) 0.000456
  - D) 45.6
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