

Duration: 30 Mins

Total Marks: 29

Q.ID: ITISKILL4805YN

1. What denotes letter M in MKS system?

- A) Millimeter                      B) Micron  
C) Mile                                D) Meter

**Answer: D) Meter**

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. 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 220  
C) Rs 200                              D) Rs 240

**Answer: D) Rs 240**4. What is the x value for  $x^2 + 62 = 126$ ?

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

**Answer: B) 8**

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

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

**Answer: C) 24 days**

6. Convert decimal 0.000659 to fraction?

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

**Answer: B) (659/1000000)**7. Divide  $(20/31)/(15/62)$ 

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

**Answer: A)  $2(2/3)$** 

8. Convert 52% into fraction?

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

**Answer: B) (13/25)**9. What is the length L2, if total length (L) is 2.75 metre and  $L1:L2 = 2:3$ ?

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

**Answer: C) 1.65 metre**10. Simplify:  $(17.49 \times 5.2)/(6.5)$ 

- A) 13.89                                B) 13.79  
C) 13.99                                D) 13.69

**Answer: C) 13.99**

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 98%  
C) Cu 92%                              D) Cu 96%

**Answer: A) Cu 94%**

12. How many millimetres are there in 1 inch?

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

**Answer: B) 25.4 mm**

13. What percentage of 80 is 20?

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

**Answer: C) 0.25**

14. 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) 0.23 metre                        D) 0.29 metre

**Answer: A) 0.25 metre**

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

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

**Answer: D) 23.46**16. What is the improper fraction for the given mixed fraction  $7 \frac{3}{7}$ ?

- A) "28/7"                                B) "7/28"  
C) (52/7)                                D) "7/52"

**Answer: C) (52/7)**

17. What are fundamental units?

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

**Answer: C) Length, Mass, Time**

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

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

**Answer: B)  $(9/10)$**

19. What is the square root of 0.017?

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

**Answer: A) 0.13**

20. What is the square root of 529?

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

**Answer: B) 23**

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

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

**Answer: B) 6**

22. 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**

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

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

**Answer: C) 36**

24. 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) 140 rpm                              D) 180 rpm

**Answer: D) 180 rpm**

25. How much is 8% of 40 kg?

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

**Answer: D) 3.2 kg**

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

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

**Answer: D) 0.0015**

27. What are the two classifications of system of units?

- A) British and Metric                B) Metric and International  
C) Fundamental and derived        D) Gravitational and non-gravitational

**Answer: C) Fundamental and derived**

28. Convert 0.456 decimal fraction into percentage?

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

**Answer: B) 45.6**

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

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

**Answer: D) 0.185**