Duration: 160 Mins   Total Marks: 50   **ID: ITISKILL29329U**

Student Name: _____   Roll No: _____

1. What is the principal amount deposited, if the maturity proceeds to an amount of Rs.25000/- and interest earned Rs.6000/-?

A) Rs.20000/-   B) Rs.31000/-
C) Rs.25000/-   D) Rs.19000/-

2. What is the interest earned, if the principal is for Rs.12500/- maturity becomes to a amount of Rs.17500/-?

A) Rs.30000   B) Rs.25000
C) Rs.5500   D) Rs.5000

3. Which affects the centre of gravity of the object?

A) Weight   B) Density
C) Mass   D) Shape

4. How the years is denoted in simple interest calculations?

A) n   B) P
C) I   D) r

5. Which state of equilibrium's example is, A cone resting on its base?

A) Neutral   B) Un-stable
C) Bothe A and B   D) Stable

6. What is the formula to find Loss %?

A) (S.P)/(Loss+100)   B) (Loss+100)/(S.P)
C) (CP)/(Lossx100)   D) (Lossx100)/(C.P)

7. What is the compounded amount, if the principal of Rs.30000/- and interest earned at 7% per annum is Rs.4347?

A) Rs.34347/-   B) Rs.30347/-
C) Rs.32347/-   D) Rs.33347/-

8. What is the voltage?
 R = 250 Ohms
 I = 0.44 Amps
 V = _____Volts

A) 108 Volts   B) 105 Volts
C) 100 Volts   D) 110 Volts

9. Which state of equilibrium's example is A cone resting on its tip?

A) Stable   B) Horizontal
C) Neutral   D) Unstable

10. What is the flow of electrons in any conductor?

A) Current   B) Resistance
C) Power   D) Voltage

11. What is the compound interest on a principal of Rs.25000/- after 3 years at the rate of 12% per annum?

A) Rs.10483.20   B) Rs. 9000
C) Rs.9720   D) Rs.10123.20

12. What is the difference between the simple and the compound interest amount at 5% per annum for 2 years on a principal of Rs.20000/-?

A) Rs.50   B) Rs.55
C) Rs.25   D) Rs.5

13. What is the simple interest for the principal amount of Rs.100000 at 10% per annum for 1 year period?

A) Rs.1000/-   B) Rs.5000/-
C) Rs.10000/-   D) Rs.50000/-

14. What is the expanded form of S.P?

A) Special Price   B) Selected Price
C) Selling Price   D) Super Price

15. What is the unit of intensity of magnetic field?

A) wb/m   B) m/wb
C) Hertz   D) Coloumb

16. Where the centre of gravity of a circle lies?

A) Any where on its radius   B) Any where on its circumference
C) At its centre   D) Any where on its diameter

17. What is the formula to find Profit %?

A) ((Profit)/(S.P))x100   B) ((S.P-C.P)/(Profit))x100
C) ((C.P)/(Profit))x100   D) ((Profit)/(C.P))x100

18. What is the name of the point at which all the weight of the body concentrated?

A) Central point   B) Initial point

C) Centroid   D) Centre of gravity

19. What is the centre of gravity of a solid hemisphere from its base?

A) 3r/4   B) r/2

C) 4r/5   D) 3r/8

20. What is the centre of gravity of a right circular cone from its base?

A) h/3   B) h/2

C) h/5   D) h/4

21. Which is the example for statically induced emf?

A) Refrigerator   B) Transformer

C) Motor   D) Generator

22. What is the name of the point at which all the weight of the body concentrated?

A) Initial point   B) Centre of gravity

C) Centroid   D) Central point

23. What is the centre of gravity of a rectangular body?

A) Longer side of rectangle   B) At the point of intersection of its diagonals

C) Shorter side of rectangle   D) At the corners

24. What is the centre of gravity of a semi circle of diameter 12 cm?

A) 2.75 cm   B) 2.54 cm

C) 3.25 cm   D) 2.24 cm

25. Which state of equilibrium's example is A cone resting on its tip?

A) Horizontal   B) Stable

C) Neutral   D) Unstable

26. Which affects the centre of gravity of the object

A) Weight   B) Density

C) Shape   D) Mass

27. What is the centre of gravity of a rectangular body?

A) At the point of intersection of its diagonals   B) Longer side of rectangle

C) Shorter side of rectangle   D) At the corners

28. Where the centre of gravity of a circle lies?

A) At its centre   B) Any where on its circumference

C) Any where on its diameter   D) Any where on its radius

29. What is the centre of gravity of a right circular cone from its base?

A) h/4   B) h/5

C) h/2   D) h/3

30. What is the matured amount for the deposit of Rs.5000/- and the simple interest earned for Rs.500/-?

A) Rs.6000   B) Rs.5500

C) Rs.6500   D) Rs.4500

31. What is the centre of gravity of a solid hemisphere from its base?

A) r/2   B) 3r/4

C) 4r/5   D) 3r/8

32. What is the interest earned, if the principal is Rs.12000/- becomes to an amount of Rs.15600/-?

A) Rs.4600   B) Rs.5600

C) Rs.2600   D) Rs.3600

33. Which is the unit of current?

A) Ampere   B) Watt

C) Ohm   D) Volt

34. Which is the short form of profit and loss statement?

A) PRO & LOS   B) P & L

C) PR & LS   D) L & P

35. Which one of the following geometrical shapes centre of gravity lies from its base is 1/3 of its height?

A) Cone   B) Square

C) Rhombus   D) Triangle

36. Which property of a substance is opposing the flow of electric current?

A) Current   B) Voltage

C) Resistance   D) EMF

37. What is the profit amount, if the i - phone cost price is Rs.50000/- and selling price is Rs.70000/-?

A) Rs. 2000/-   B) Rs. 20000/-

C) Rs. 50000/-   D) Rs. 10000/-

38. What is the resistance of an electric iron if the rating of electric iron is 220 V and 500 watts?

A) 96.8 ohms   B) 94.8 ohms

C) 97.8 ohms   D) 95.8 ohms

39. What is the current?
 R = 50 Ohms
 220 Volts
 I =_____Amps

A) 4.4 Amps   B) 4.1 Amps
C) 4.2 Amps   D) 4.3 Amps

40. How the profit / gain is expressed?

A) Rs.   B) %
C) $ D) *

41. What is the centre of gravity of a semi circle of diameter 12 cm?

A) 2.54 cm   B) 2.75 cm
C) 2.24 cm   D) 3.25 cm

42. What is the power if an emf of one volt causes a current flow of 1ampere?

A) 1 Kilowatt hour   B) 1 kilowatt
C) 1 HP   D) 1 watt

43. What is the selling price if the cost price is Rs.7282/- with a profit of Rs.208?

A) Rs.7290   B) Rs.7074
C) Rs.7490   D) Rs.7698

44. What is discount?

A) Selling price + discount   B) Selling price is less than Cost price

C) Selling price is greater than Cost price   D) The reduction given to the selling price of a product

45. What is the voltage of the immersion heater?
P = 500 watts
 I = 2.27 Amps
 V = _____Volts

A) 200.3 volts   B) 210.3 volts
C) 220.3 volts   D) 230.3 volts

46. Which one of the following geometrical shape's centre of gravity lies from its base is 1/3 of its height?

A) Rhombus   B) Cone
C) Triangle   D) Square

47. What is the cost price if the product is sold at Rs. 572 with a profit of Rs. 72?

A) Rs. 472   B) Rs. 1000
C) Rs. 644   D) Rs. 500

48. What is the profit % if the cost price of 16 bolts is equal to the selling price of 12 bolts?

A) 23.33   B) 13.33
C) 33.33   D) 43.33

49. Which state of equilibrium's example is, A cone resting on its base?

A) Neutral   B) Stable
C) Un-stable   D) Bothe A and B

50. What is the compounded annual interest, for a loan amount of Rs.80000/- at 10% per annum for a period of 2 years?

A) Rs.92400/-   B) Rs.96800/
C) Rs.94800/-   D) Rs.16800/-