

Student Name: _____	Roll No: _____
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1. How much watt second in 1 watt hour? cm?  

A) 3600 watt sec	B) 1000 watt sec	A) 39.59 cm	B) 39.49 cm
C) 2000 watt sec	D) 4000 watt sec	C) 39.29 cm	D) 39.39 cm

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2. Which is the example for statically induced emf?  

A) Generator	B) Motor
C) Refrigerator	D) Transformer

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3. What is the density ( $\rho$ ) in  $\text{g/cm}^3$  of an iron cube, if it weighs (W) 4.8 kg and volume (V) is  $640 \text{ cm}^3$ ?  

A) $6.9 \text{ g/cm}^3$	B) $7.5 \text{ g/cm}^3$
C) $6.6 \text{ g/cm}^3$	D) $7.2 \text{ g/cm}^3$

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4. Which is mineral insulator  

A) Glass	B) Quartz
C) Porcelain	D) Mica

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5. How much voltage will be required to illuminate a 40 watts fluorescent lamp draws a current of 0.10 amperes?  

A) 395 volts	B) 390 volts
C) 400 volts	D) 405 volts

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6. What is the specific gravity of the solid, if density of the solid is  $19.5 \text{ g/cm}^3$ ?  

A) 18.5	B) 19
C) 8	D) 19.5

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7. What is the square root of 529?  

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

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8. What is the mass if the density of a body is  $7.6 \text{ g/cm}^3$  and its volume is  $25 \text{ cm}^3$ ?  

A) 210 grams	B) 220 grams
C) 200 grams	D) 190 grams

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9. What is the other name of low carbon steel?  

A) Low alloy steel	B) High speed steel
C) High alloy steel	D) Mild steel

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10. What is the diagonal of a square plate whose side is 28  

A) 39.59 cm	B) 39.49 cm
C) 39.29 cm	D) 39.39 cm

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11. What is the capacity of a body to do work is called?  

A) Power	B) Force
C) Acceleration	D) Energy

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12. Which property of a metal possessed by it melts when heat is applied?  

A) Tenacity	B) Malleability
C) Conductivity	D) Fusibility

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13. How many millimetres are there in 1 inch?  

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

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14. What denotes letter M in MKS system?  

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

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15. Which is the example for dynamically induced Emf?  

A) Motor	B) Generator
C) Car	D) Motor bike

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16. What is called if a body does not change its position with respect to its surroundings?  

A) Velocity	B) Body at motion
C) Speed	D) Body at rest

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17. Which among the following is an insulator?  

A) Mica	B) Copper
C) Aluminium	D) Silver

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18. Which property of metal has its power of returning to its original shape after the applied force is released?  

A) Malleability	B) Elasticity
C) Plasticity	D) Tenacity

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19. Simplify:  $(\frac{3}{4}) + (\frac{2}{5}) - (\frac{5}{20})$

- A) (12/10)  
C) (9/10)

- B) (13/10)  
D) (3/10)

20. What is the area of a square whose side is 18 cm?

- A)  $72 \text{ cm}^2$       B)  $324 \text{ cm}^2$   
C)  $26 \text{ cm}^2$       D)  $36 \text{ cm}^2$

21. What is the volume of a rectangular tank of 30 m length, 20m width and 10m height?

- A)  $6200 \text{ m}^3$       B)  $6000 \text{ m}^3$   
C)  $6100 \text{ m}^3$       D)  $5900 \text{ m}^3$

22. Which is equal to electric power?

- A)  $R^2 I$  watts      B)  $RI$   
C)  $IRA$       D)  $I^2 R$  watts

23. What is the ore of aluminium?

- A) Lemonite      B) Hematite  
C) Mallatite      D) Bauxite

24. How many liters of water a cylindrical tank of radius 75 cm and height 100 cm can hold?

- A) 1767.25 liters      B) 1769.25 liters  
C) 1768.25 liters      D) 1766.25 liters

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

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

26. What is the area of an equilateral triangle of side 450 mm?

- A)  $876.82 \text{ cm}^2$       B)  $866.82 \text{ cm}^2$   
C)  $886.82 \text{ cm}^2$       D)  $856.82 \text{ cm}^2$

27. What is the rated power if an adjustable resistor bears the following label 1.5 k ohms/ 0.08A?

- A) 9.4 watts      B) 9.8 watts  
C) 9.2 watts      D) 9.6 watts

28. What is velocity of a body travels a distance of 168 metres in a line in 21 seconds?

- A) 6 m/sec      B) 12 m/sec  
C) 8 m/sec      D) 10 m/sec

29. What is the total resistance if three resistances of 3 ohms, 9 ohms and 5 ohms are connected in series?

- A) 11 ohms      B)  $1/17$  ohms  
C) 7 ohm      D) 17 ohms

30. Which steel is used for making files and cold chisel?

- A) Low carbon steel      B) Stainless steel  
C) High carbon steel      D) Midium carbon steel

31. What is the equivalent unit for 1 horse power in metric system?

- A) 75 kg.m/sec      B) 77 kg.m/sec  
C) 76 kg.m/sec      D) 78 kg.m/sec

32. Which insulating material is used for making switches?

- A) Ebonite      B) Bakelite  
C) PVC      D) Porcelain

33. How many watts for 1 horse power in metric system?

- A) 755.5 watts      B) 745.5 watts  
C) 735.5 watts      D) 725.5 watts

34. 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

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

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

36. Which law states about electromagnetic induction?

- A) Hooke's law      B) Lenz's law  
C) Faraday's law      D) Ohm's law

37. What is the area of an ellipse if the major and minor axes are 5 cm and 3 cm respectively?

- A)  $27 \text{ cm}^2$       B)  $37 \text{ cm}^2$   
C)  $57 \text{ cm}^2$       D)  $47 \text{ cm}^2$

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

- A) 6      B) 4  
C) 8      D) 10

39. What is the weight force of a car has a mass of 800 kg?(Take  $g = 9.81 \text{ m/sec}^2$ )

- A) 7487 Newton      B) 7848 Newton  
C) 7847 Newton      D) 7748 Newton

40. 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

41. What metals contained in brass alloy?

- A) Copper and lead      B) Copper and zinc  
C) Copper and aluminium      D) Copper and tin

42. Which metal contains iron as a major content?

- A) Bronze metal      B) Zinc  
C) Brass metal      D) Ferrous metal

43. Convert decimal 0.000659 to fraction?

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

44. Which machine converts mechanical energy into electrical energy?

- A) Generator      B) Battery  
C) Iron box      D) Heater

45. What is the rate of change of displacement of a body?

- A) Velocity      B) Body at rest  
C) Body at motion      D) Speed

46. What is the formula for velocity?

- A) Displacement/Time      B) Change of momentum/Time  
C) Distance covered/Time      D) Change in velocity/Time

47. What is the carbon percentage in high carbon steel?

- A) 0.02% to 0.03%      B) 0.50% to 1.50%  
C) 0.15% to 0.25%      D) 0.25% to 0.50%

48. What is the block weighs (W) in kg, if volume (V) is 320 cm<sup>3</sup> and density 8.9 g/cm<sup>3</sup>?

- A) 2.848 kg      B) 2.948 kg  
C) 2.648 kg      D) 2.448

49. What is the formula for speed?

- A) Distance in definite direction /Time      B) Change in velocity/Time  
C) Distance covered/Time      D) Change in momentum/Time

50. What is the voltage of the immersion heater?  $P = 500$  watts  $I = 2.27$  Amps  $V =$  \_\_\_\_\_Volts

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

51. Which is same in series connection of resistors in a circuit?

- A) Current      B) Voltage

C) Resistance

D) Power

52. What is the carbon percentage in low carbon steel?

- A) 0.25% to 0.50%      B) 0.50% to 1.50%  
C) 0.15% to 0.25%      D) 0.02% to 0.03%

53. What is the cross sectional area of a circular ring of  $D = 38$  mm  $d = 32$ mm?

- A)  $350 \text{ mm}^2$       B)  $330 \text{ mm}^2$   
C)  $340 \text{ mm}^2$       D)  $320 \text{ mm}^2$

54. What is the formula for total surface area of a cylinder?

- A)  $2 \pi r (h + r)$       B)  $\pi r h$   
C)  $\pi r (h + r)$       D)  $2 \pi r h$

55. How many ergs for 1 Joule?

- A)  $10^3$  ergs      B)  $10^7$  ergs  
C)  $10^9$  ergs      D)  $10^5$  ergs

56. What is the current Flow in the bulb?  $P = 550$  watts  
 $R = 22$  Ohms  $I =$  \_\_\_\_\_Amps

- A) 5 Amps      B) 3 Amps  
C) 2 Amps      D) 4 Amps

57. Which mechanical property of a metal offers resistance to elastic deformation in a cutting tool?

- A) Toughness      B) Ductility  
C) Malleability      D) Hardness

58. What is the volume of sphere of radius 7 cm?

- A)  $1346 \text{ cm}^3$       B)  $1463 \text{ cm}^3$   
C)  $1636 \text{ cm}^3$       D)  $1436 \text{ cm}^3$

59. Which metal is widely used for making casting of machinery parts?

- A) Malleable cast iron      B) White cast iron  
C) Grey cast iron      D) Wrought iron

60. What is the capacity of a conical tank of radius 2 m and height 5m?

- A)  $41 \text{ m}^3$       B)  $11 \text{ m}^3$   
C)  $21 \text{ m}^3$       D)  $31 \text{ m}^3$

61. What is the acceleration of an aeroplane taking off from landing field has to run 700 metres if it leaves the ground in 10 seconds from the start?

- A)  $12 \text{ metre/sec}^2$       B) 8  
C) 10      D) 14  
 $\text{metre/sec}^2$        $\text{metre/sec}^2$

62. What is termed as the quantity of matter contained in a body?

- A) Density  
B) Specific gravity  
C) Mass  
D) Volume

63. What is the resistance?  $I = 11.5$  Amps  $V = 380$  Volts  $R = \underline{\hspace{2cm}}$  Ohms

- A) 13 ohms  
B) 23 ohms  
C) 43 ohms  
D) 33 ohms

64. What is the formula for induced emf?

- A)  $B^2 L \sin \theta$  volts  
B)  $B^2 V \sin \theta$  volts  
C)  $BL \sin \theta$  volts  
D)  $BLV \sin \theta$  volts

65. What is called if a body possesses only magnitude or size alone?

- A) Velocity  
B) Scalar quantity  
C) Speed  
D) Vector quantity

66. What is the work done in unit time?

- A) Power  
B) Force  
C) Energy  
D) Acceleration

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

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

68. Which one of the following properties is the mechanical properties of metal?

- A) Structure  
B) Corrosion  
C) Ductility  
D) Fusibility

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

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

70. What is the perimeter of scalene. Triangle having sides of 40mm, 20mm and 28mm?

- A) 68 mm  
B) 88 mm  
C) 98 mm  
D) 78 mm

71. What is the formula for acceleration?

- A)  $\text{Metre/second}^2$   
B) Metre/minute  
C) Metre/second  
D) Metre/hour

72. What is the improper fraction for the given mixed fraction  $7 \frac{3}{7}$

- A)  $\frac{7}{28}$   
B)  $\frac{52}{7}$   
C)  $\frac{7}{52}$   
D)  $\frac{28}{7}$

73. Which cast iron cannot be welded?

- A) Grey cast iron  
B) Nodular cast iron  
C) Malleable cast iron  
D) White cast iron

74. What is the power required?  $I = 0.455$  Amps  $R = 484$  Ohms  $P = \underline{\hspace{2cm}}$  Watts

- A) 99.2 watts  
B) 100.2 watts  
C) 101.2 watts  
D) 98.2 watts

75. Find the curved surface area of a cylinder 10 cm dia and 20 cm height?

- A)  $638 \text{ cm}^2$   
B)  $630 \text{ cm}^2$   
C)  $628 \text{ cm}^2$   
D)  $620 \text{ cm}^2$

76. How many watts for 1 horse power in British system?

- A) 756 watts  
B) 726 watts  
C) 736 watts  
D) 746 watts

77. What percentage of 80 is 20?

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

78. What is the area of a right angled triangle having a base 10 cm and height 5 cm?

- A) 30 sq.cm  
B) 20 sq.cm  
C) 35 sq.cm  
D) 25 sq.cm

79. What is the perimeter of a rectangle whose length and breadth are 20 cm and 18 cm?

- A) 66 cm  
B) 56 cm  
C) 86 mm  
D) 76 cm

80. Which rubber is used as insulator for power cables and control wires?

- A) Hypalone  
B) Butyl  
C) Nitrite butadiene  
D) Silicon

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

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

82. What is the current?  $R = 50$  Ohms  $V = 220$  Volts  $I = \underline{\hspace{2cm}}$  Amps

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

83. Which alloy steel is used to make permanent magnets?

- A) Vanadium steel                      B) Cobalt steel  
C) Silicon steel                          D) Manganese steel

84. What is the retardation of a car moving with a velocity of 50 km/hr is brought to rest in 45 seconds?

- A)  $0.40 \text{ m/sec}^2$     B)  $0.30 \text{ m/sec}^2$   
C)  $0.20 \text{ m/sec}^2$     D)  $0.10 \text{ m/sec}^2$

85. How much is 8% of 40 kg?

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

86. What is the formula for kinetic energy?

- A)  $(2/3) mv^2$  joule                      B)  $(2/3) mv$  joule  
C)  $(1/2) mv^2$  joule                      D)  $(1/2) mv$  joule

87. What is the unit of acceleration of an object?

- A) Metre/minutes<sup>2</sup>                      B) Metre/minutes  
C) Metre/second<sup>2</sup>                      D) Metre/second

88. What is the potential energy in a body of mass 10 kg kept on the top of a pole 20 metres height?

- A) 1942 Joules                          B) 1962 Joules  
C) 1972 Joules                          D) 1952 Joules

89. Which is brittle metal?

- A) Mild steel                              B) Cast iron  
C) Steel                                      D) Alloy steel

90. What is called mass per unit volume of a substances?

- A) Density                                  B) Weight  
C) Volume                                  D) Mass

91. What is the mass in gram, if a force of 15 dyres acting on a mass m producing an acceleration of  $2.5 \text{ cm/sec}^2$ ?

- A) 6 grams                                  B) 9 grams  
C) 7 grams                                  D) 8 grams

92. Which alloy steel is using for making precious instrument?

- A) Vanadium                              B) Invar steel  
C) Silicon steel                            D) Manganese steel

93. What is the name of furnace to obtained cast iron?

- A) Alloy metal - Electric furnace                      B) Steel - Rever battery  
C) Cupola                                      D) Mild steel - Blast furnace

94. What is the potential energy, if a body of mass 250 kg is at a height of 30 metre?

- A) 73.57 KJ                                  B) 74.57 KJ  
C) 75.57 KJ                                  D) 72.57 KJ

95. What is the density of aluminium?

- A)  $2.7 \text{ g/cm}^3$                               B)  $5.7 \text{ g/cm}^3$   
C)  $4.7 \text{ g/cm}^3$                               D)  $3.7 \text{ g/cm}^3$

96. What is the formula for potential energy?

- A)  $mgh^2$  joule                          B)  $2/3 mgh$  joule  
C)  $mgh$  joule                              D)  $1/2 mgh$  joule

97. What is called if a force of 1Newton acts on a body and moves it through a distance of 1 metre?

- A) 1 Joule                                      B) 10 Joules  
C) 1 dyne                                      D) 10 dynes

98. What is the name of the property of an insulation that should brake down or puncture on application of high voltage?

- A) Mechanical strenth                      B) Di-electric strength  
C) Non absorption                          D) Specific resistance

99. What is the ratio of power output to power input?

- A) Acceleration                              B) Work  
C) Energy                                      D) Efficiency

100. What is the work done, if a force of 250 newtons acted upon a body and the body has been moved through a distance of 15 metres?

- A) 3740 Joules                              B) 3730 Joules  
C) 3750 Joules                              D) 3720 Joules

101. Which one is non-metal?

- A) Brass                                      B) Graphite  
C) Iron    D) Mercury

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

- A) 36    B) 18  
C) 42    D) 12

103. What is the kinetic energy of a bullet of mass 5gm travels with a speed of 500 m/sec?

- A) 625 Joules                                  B) 635 Joules  
C) 620 Joules                                  D) 630 Joules



- C)  $0.59 \text{ m/sec}^2$  D)  $0.059 \text{ m/sec}^2$

125. What is the total surface area of a cylinder having radius 2 metres and height 5 metres?

- A) 90 sq.metre B) 88 sq.metre  
C) 92 sq.metre D) 86 sq.metre

126. Find the total surface area of a cast iron bar whose length, width and height are 20m, 15m and 12m.

- A)  $1340 \text{ m}^2$  B)  $1540 \text{ m}^2$   
C)  $1440 \text{ m}^2$  D)  $1640 \text{ m}^2$

127. Which law states that at constant temperature the current passing through a closed circuit is directly proportional to the potential difference and inversely proportional to the resistance?

- A) Hooke's law B) Ohm's law  
C) Lenz's law D) Newton's law

128. What is the area of a rectangle, whose length and breadth are 10cm and 8cm respectively?

- A)  $80 \text{ cm}^2$  B)  $85 \text{ cm}^2$   
C)  $90 \text{ cm}^2$  D)  $75 \text{ cm}^2$

129. What is the voltage?  $R = 250 \text{ Ohms}$   $I = 0.44 \text{ Amps}$   $V = \text{___Volts}$

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

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

- A) Resistance B) Current  
C) EMF D) Voltage

131. What is volume of the cylinder whose radius is 7 cm and height 12 cm?

- A) 1844 c.c B) 1842 c.c  
C) 1847 c.c D) 1846 c.c

132. What is the force with which a body is attracted by the earth towards its centre?

- A) Density B) Volume  
C) Weight D) Mass

133. What is the side of a square whose area is  $625 \text{ mm}^2$ ?

- A) 20 mm B) 25 mm  
C) 15 mm D) 30 mm

134. How much work done in one hour, if a pump can raise

100 liters of water through a height of 200 meters in one minutes?

- A) 12 x 105 kg meter B) 12 x 106 kg meter  
C) 12 x 107 kg meter D) 12 x 104 kg meter

135. What is the speed of a train of 80 metre long train passes a railway station platform of 120 metres length in 20 seconds?

- A) 36 km/hour B) 30 km/hour  
C) 32 km/hour D) 34 km/hour

136. Which is the unit electrical power?

- A) Volts B) Ohms  
C) Ampere D) Watts

137. What is the filament resistance if a 6 volt bulb draws a current of 0.5 Amps?

- A) 10 W B) 1.2 W  
C) 3 W D) 12 W

138. Which is the unit of current?

- A) Ohm B) Ampere  
C) Watt D) Volt

139. How many hours will take for a 100 watts bulb to consume 1 kwh energy?  $W = 1 \text{ Kwh}$   $P = 100 \text{ Watts}$   $t = \text{___Hours}$

- A) 24 hours B) 12 hours  
C) 18 hours D) 10 hours

140. What is called if a body changes its position with respect to its surroundings?

- A) Speed B) Body at rest  
C) Body at motion D) Velocity

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

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

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

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

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

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

144. Find the total surface area of cube whose side is 25 cm.

- A)  $3745 \text{ cm}^2$     B)  $3740 \text{ cm}^2$   
C)  $3750 \text{ cm}^2$     D)  $3755 \text{ cm}^2$

**145.** Which property of a metal enables it by which it can be drawn out into wires under tension without rupture?

- A) Brittleness                      B) Malleability  
C) Hardness                         D) Ductility

**146.** Which alloy used in electric lamp as filament?

- A) Silicon                            B) Vanadium  
C) Tungsten                         D) Cobalt

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

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

**148.** Convert 52% into fraction?

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

**149.** What is called if a body posses both magnitude and direction of velocity?

- A) Velocity                         B) Vector quantity  
C) Scalar quantity                D) Speed

**150.** What is the volume (V) of mercury in  $\text{cm}^3$ , if mass (m) of mercury is 1 kg and density (r) is  $13.6 \text{ g/cm}^3$ ?

- A)  $73.43 \text{ cm}^3$     B)  $73.53 \text{ cm}^3$   
C)  $73.23 \text{ cm}^3$     D)  $73.33 \text{ cm}^3$

**151.** What is the formula for finding volume of a hollow cylinder having outer radius 'R' inner radius 'r' and height 'h'?

- A)  $\pi (R^2 - r^2)h$                       B)  $\frac{2}{3} \pi (R^2 - r^2) h$   
C)  $\frac{4}{3} \pi (R^2 - r^2)h$                 D)  $\frac{\pi}{3} (R^2 - r^2) h$

**152.** What is the square root of 0.017?

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

**153.** What is the unit of speed?

- A) Metre/hour                        B) Metre/second  
C) Metre/minute                    D) Metre/second<sup>2</sup>

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

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

**155.** What are fundamental units?

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

**156.** Which furnace is used to get pig iron from iron ore?

- A) Cupola                              B) Electric furnace  
C) Mild steel - Rever battery    D) Blast furnace

**157.** What does EMF stands for?

- A) Electro Magnetic Force        B) Electronic Magnetic Force  
C) Electromated Force            D) Electro Motive Force

**158.** Which statement is correct according to ohm's law?

- A)  $I = V/R$                             B)  $I = 1/V$   
C)  $I = R/V$                             D)  $I = R$

**159.** What is the area of a sector of a circle of radius 5 cm and its angle is 96 Degree?

- A)  $20.98 \text{ cm}^2$     B)  $20.89 \text{ cm}^2$   
C)  $20.39 \text{ cm}^2$     D)  $20.93 \text{ cm}^2$

**160.** What is the square root of decimal number 550.37?

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

**161.** Which metal cannot be forged?

- A) Mild steel                         B) Alloy steel  
C) Steel                                 D) Cast iron

**162.** What is the definition of ratio?

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

**163.** What maximum height a stone will reach if it is thrown upwords with a velocity of  $20 \text{ m/sec}$  ( $g = 10 \text{ m/sec}^2$ )

- A) 10 m                                 B) 30 m  
C) 40 m                                 D) 20 m

**164.** What is the total resistance if two resistances of 4 ohms and 6 ohms are connected in parallel?

- A) 4                                        B) 2.4  
C) 10                                      D) 5

**165.** What is the specific gravity of the metal, if the piece of metal weighs 150 grams in air and 125 grams in water?

- A) 15                                      B) 10

C) 6

D) 25

iron?

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**166.** What is the name of the metal which do not contain

A) Ferrous metals

B) Non-ferrous metals

C) Insulating metals

D) Non-Insulating metals

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