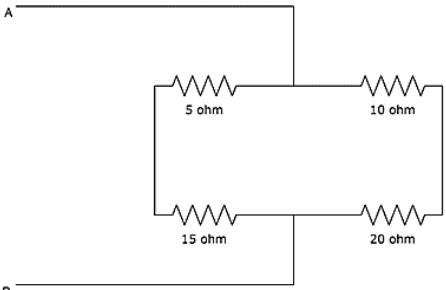
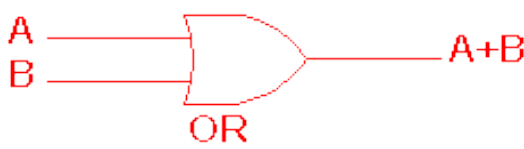
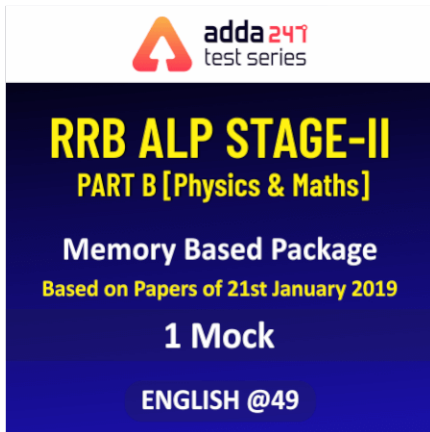


51. One kilowatt-hour is equal to
(a) $36 \times 10^5 \text{ J}$ (b) $32 \times 10^5 \text{ J}$
(c) $30 \times 10^5 \text{ J}$ (d) $35 \times 10^5 \text{ J}$
52. Unit of resistance is:
(a) Volt (b) Watt
(c) Ohms (d) Ampere
53. What is the SI unit of Young's modulus of elasticity?
(a) dyne/cm (b) newton/m
(c) newton/m² (d) m²/s
54. In equation $v = u + at$ the symbol "v" is related with
(a) Final velocity (b) Initial velocity
(c) Acceleration (d) None of these
55. SI unit of pressure is
(a) Ohms (b) Pascal
(c) Joules (d) Watts
56. Clinometer is a tool that is used to measure
(a) Intensity of colour
(b) Measure quantity of heat
(c) Angle of elevation
(d) None of these
57. Preferred drawing sheet size of "A1" sheet First choice ISO_A series is -
(a) 594×841mm (b) 420×594mm
(c) 297×420mm (d) 210×297mm
58. An transformer work on principle of
(a) Self-induction (b) Mutual induction
(c) Coulomb law (d) Ampere
59. What is the formula of work done?
(a) Work done = force × displacement
(b) Work done = force × velocity
(c) Work done = pressure × displacement
(d) Work done = mass × acceleration
60. The SI unit of acceleration is _____.
(a) Meters per seconds squared
(b) Meters per second
(c) Seconds per meter
(d) Seconds per meter squared
61. In _____ the parallel projection rays are not perpendicular to the viewing plane as with orthographic projection, but strike the projection plane at an angle other than ninety degrees.
(a) isometric projections
(b) orthographic projections
(c) axonometric projection
(d) oblique projections
62. If it takes 50 J of work to climb a set of stairs, how fast would you have to climb them to use 5 Watts of power?
(a) 2 seconds (b) 5 seconds
(c) 9 seconds (d) 10 seconds
63. The least count of Vernier caliper is
(a) 1mm (b) 0.001mm
(c) 0.01 mm (d) 0.0001mm
64. Calculate the equivalent resistance between A and B.
- 
- (a) 60 ohm (b) 15 ohm
(c) 12 ohm (d) 48 ohm
65. A wheel barrow is an example of a _____ class lever.
(a) first (b) third
(c) fourth (d) second
66. R.I.C.E. is an acronym for Injury First Aid. In which "E" stands for
(a) Elevation (b) Equipment
(c) Exercise (d) None of the above
67. Scurvy is caused due to the deficiency of -
(a) Vitamin-D (b) Vitamin-K
(c) Vitamin-E (d) Vitamin-C
68. SI unit for force is
(a) Kilograms (b) Newton
(c) Joules (d) acceleration
69. The path of a projectile is called its:
(a) Curve (b) Time of action

- (c) Orbit (d) Trajectory
70. A body of mass 4 kg accelerates from 15 m/s to 25 m/s in 5 seconds due to the application of a force on it. Calculate the magnitude of this force (in N).
 (a) 32 (b) 8
 (c) 16 (d) 64
71. Which of the following storage devices can store maximum amount of data?
 (a) Floppy Disk (b) Magneto Optic Disk
 (c) Hard Disk (d) Compact Disk
72. The focal length of lens is 50cm. What is its power in diopter?
 (a) 6 (b) 4
 (c) 2 (d) 8
73. The lens of eye is _____?
 (a) concave (b) convex
 (c) plane (d) None of the above
74. Which colour of light deviates maximum in the dispersion of white light by prism?
 (a) Violet (b) Blue
 (c) Green (d) Red
75. Which one of the following has the highest value of specific heat?
 (a) Glass (b) Copper
 (c) Lead (d) Water
76. The NOR gate is OR gate followed by
 (a) AND gate (b) NAND gate
 (c) NOT gate (d) None of the above
77. How many classes of levers are there?
 (a) 2 (b) 3
 (c) 4 (d) 5
78. Projection of an object shown by three views is known as-
 (a) Oblique (b) Orthographic
 (c) Isometric (d) Perspective
79. Which of the following is not a type of pictorial drawing?
 (a) Isometric (b) Multi-view
 (c) Perspective (d) Oblique
80. Projection on Horizontal plane is called _____ and projection on vertical Plane is called _____?
 (a) Top view, Front view
 (b) Front view, Top view

- (c) Side view, Top view
 (d) None of the above
81. Auxiliary views cannot be used for the determining _____
 (a) the true length of a line
 (b) the point-view of a line
 (c) the edge-view of a line
 (d) the apparent size
82. A student carries a bag weighing 5 kg from the ground floor to his class on the first floor that is 2 m high. The work done by the boy is
 (a) 1 J (b) 10 J
 (c) 100 J (d) 1000 J
83. A galvanometer is converted into an ammeter when we connect a
 (a) High resistance in series
 (b) High resistance in parallel
 (c) Low resistance in series
 (d) Low resistance in parallel
84. The following is (are) used as safety device(s) in machines
 (a) Fail safe (b) Safety interlocks
 (c) Limit switches (d) All of the above
85. What happens to the body on which work is done?
 (a) It loses energy (b) It gains energy
 (c) No change in the energy
 (d) First it loses then it gain
86. Which of the following controls the process of interaction between the user and the operating system?
 (a) User interface
 (b) Language translator
 (c) Platform
 (d) Screen saver
87. The given figure is symbol of which logical gate?

 (a) NOT gate
 (b) AND gate
 (c) NAND gate
 (d) OR gate

88. Speed of truck is 40 m s^{-1} , after 10 seconds its speed decreases to 20 m s^{-1} , its acceleration is
 (a) -1 m s^{-2} (b) -2 m s^{-2}
 (c) -4 m s^{-2} (d) -5 m s^{-2}



89. A bullet is shot from a rifle with a speed of 720 m/s . What time is required for the bullet to strike a target 3240 m away?
 (a) 3.5 s (b) 4.5 s
 (c) 5.2 s (d) 4.9 s
90. How many nations are participated in FIFA world cup?
 (a) 20 (b) 24
 (c) 28 (d) 32
91. Who is the prime minister of Pakistan?
 (a) Shahid Khaqan Abbasi
 (b) Nawaz Sharif
 (c) Imran Khan
 (d) Benazir Bhutto
92. Who is present RBI governor?
 (a) N S Vishwanathan
 (b) Shaktikanta Das
 (c) Mahesh Kumar Jain
 (d) Viral Acharya
93. Who is the first player to be the recipient of Bharat Ratna Award?

- (a) P.T usha (b) Milkha singh
 (c) Sachin Tendulkar (d) Dhyan Chand
94. Who is the real head of government of India?
 (a) President (b) Prime Minter
 (c) Governor (d) Mayor
95. Angkor Wat temple is situated in
 (a) Vietnam (b) Cambodia
 (c) Laos (d) Thailand
96. Who is the President of Badminton association of India?
 (a) Tarun Gogoi
 (b) Himanta Biswa Sarma
 (c) Akhilesh Das Gupta
 (d) Badruddin Ajmal
97. What is the rank of India in World Happiness Index 2018?
 (a) 121 (b) 179
 (c) 144 (d) 133
98. Who is the author of 'My Unforgettable Memories'?
 (a) Hamid Ansari
 (b) APJ Abdul Kalam
 (c) Mamata Banerjee
 (d) Shri Pranab Mukherjee
99. Vajra Prahar Military exercise held between India and which country?
 (a) Russia
 (b) China
 (c) USA
 (d) Japan
100. The Rauf is a folk-dance form which is mainly practiced by the women folk of which state?
 (a) Gujarat
 (b) Rajasthan
 (c) Jammu and Kashmir
 (d) Himachal Pradesh