

175/2014

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Which valve is used to prevent back flow?
(A) Gate valve (B) Globe valve
(C) Check valve (D) Float valve
2. Anti-Siphon age pipes are provided to :
(A) Carry cold water (B) Carry sewage
(C) Carry hot water (D) Carry domestic water
3. Lead caulked joints are generally provided :
(A) C.I. pipe (B) G.I. pipe
(C) S.W. pipe (D) A.C. pipe
4. The brick or stone used in corner masonry of a wall is called :
(A) King closer (B) Queen closer
(C) Quoin (D) Bat
5. Ball test is used in a new sewer line to check :
(A) Leakage (B) Pressure
(C) Load (D) Alignment
6. Manholes are made over :
(A) Open drain (B) Sewer line
(C) Water line (D) Gas line
7. Which device is used for tapping water from main for fire extinguishing?
(A) Hydrant (B) Water tap
(C) Water meter (D) Valve
8. Temporary hardness removed by :
(A) Freezing (B) Aeration
(C) Boiling (D) Filtration

A

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[P.T.O.]

9. Which gas is used in gas welding?
(A) Oxy-nitrogen (B) Oxy-hydrogen
(C) Oxy-carbon (D) Oxy-acetylene
10. Water pump pliers are mostly used in :
(A) House plumping (B) Pump repair
(C) Wire cutting (D) Sheet cutting
11. For achieving self cleaning velocity 100 mm diameter drain pipes should have a slope of :
(A) 1 : 10 (B) 1 : 40
(C) 1 : 100 (D) 1 : 400
12. The most important part of a trap :
(A) Cover (B) Diameter
(C) Material (D) Water seal
13. Mortar pan is used for :
(A) Mixing of concrete (B) Measuring cement
(C) Carry excavated material (D) Finish floor
14. In a brick work, which bond alternate course of header and stretcher are laid?
(A) English bond (B) Flemish bond
(C) Header bond (D) Stretcher bond
15. When pipe vice handle is rotated in clockwise?
(A) Movable jaw rises (B) Yoke also rotation
(C) Fixed jaw lowers (D) Movable jaw lowers
16. Use of asbestos cement is banned in many countries due to :
(A) Corrosion (B) High cost
(C) Health ground (D) Brocken
17. Pipe wrench is used for pipes of diameter :
(A) Less than 15 mm (B) 15 mm to 50 mm
(C) 50 mm to 150 mm (D) More than 150 m

18. Spindle of Gate valve rotate without closing due to :
- (A) Spindle is bend (B) Defective packing
(C) Gland nut loose (D) Spindle thread badly worn out
19. In expansion joint socket end moves :
- (A) Forward when contract (B) Forward when expand
(C) Backward when expand (D) Side way when expand
20. Centrifugal casting is done by :
- (A) Metal mould (B) Sand mould
(C) Static mould (D) Coal tar mould
21. Bend (F + F) has :
- (A) One end external thread (B) One end internal thread
(C) Both end internal thread (D) Both end external thread
22. Dual system of distribution means :
- (A) Gravity and pumping system (B) Pumping and intermittent system
(C) Gravity and continuous system (D) Continuous supply system
23. The joining material of S.W. pipe :
- (A) Lead (B) Cement mortar
(C) Lead wool (D) Solvent cement
24. Which side of mixing tap hot water line to be connected?
- (A) Right side (B) Bottom side
(C) Top side (D) Left side
25. Which location booster pumps are fixed?
- (A) Where pressure is high (B) Where water meter fix
(C) Where pressure is low (D) Where check valve fix
26. To remove accumulated air from pipe line :
- (A) Provide pressure valve (B) Provide gate valve
(C) Provide check valve (D) Provide air valve

27. Reading accuracy of steel rule :

- (A) 0.5 mm
- (B) 2 mm
- (C) 0.2 mm
- (D) 2.5 mm

28. Tap and wrench is used for cutting :

- (A) External thread
- (B) Internal thread
- (C) Groove
- (D) Pipe

29. Material used for galvanizing M.S. pipe :

- (A) Paint
- (B) Tin
- (C) Lead
- (D) Zinc

30. What is grain in wood?

- (A) Direction of growth cell
- (B) Knot
- (C) Crack
- (D) Hard wood

31. To protect C.I. pipes from corrosion :

- (A) Zinc
- (B) Lead
- (C) Coal tar
- (D) Primer

32. Which grade of G.I. pipe is used water supply?

- (A) High
- (B) Medium
- (C) Low
- (D) Very high

33. Which types of Tongs are used for holding bar vertically?

- (A) Hollow tong
- (B) Flat tong
- (C) Square tong
- (D) Round tong

34. Which chisel used for separating metal after chain drilling?

- (A) flat chisel
- (B) web chisel
- (C) diamond point chisel
- (D) cross cut chisel

35. Gate valve is :

- (A) One way valve
- (B) Air valve
- (C) Full way valve
- (D) Reflex valve

36. Which pipe fitting is used to connect two pipe with deferent diameter?
(A) Reducer (B) Elbow
(C) T-ee (D) Union
37. Drain board to be fixed near :
(A) Sink (B) Wash basin
(C) Bath tub (D) Urinal
38. The pitch of a coarse blade :
(A) 1 mm (B) 0.8 mm
(C) 1.4 mm (D) 1.8 mm
39. The point angle of center punch :
(A) 60° (B) 30°
(C) 90° (D) 45°
40. The diameter range of G.I pipe used in water distribution :
(A) 100 mm to 200 mm (B) 50 mm to 150 mm
(C) 300 mm to 400 mm (D) 400 mm to 500 mm
41. Which vice is mostly used by plumber?
(A) Hand Vise (B) Pipe Vice
(C) Pin Vise (D) Bench Vice
42. The distance between two adjacent tooth of hack saw blade is known as :
(A) Pitch (B) Depth
(C) Length (D) Width
43. In brazing filler material is Commercially known as :
(A) Filter (B) Smelter
(C) Setter (D) Spelter
44. Metal which contain iron substance is called as :
(A) Non-Ferrous Metal (B) Non-Ferrous Alloy Metal
(C) Ferrous Metal (D) Non-Metal

45. The Tool used to check the vertical level of a wall :
- (A) Spirit Level (B) Plumb-bob
(C) L-Square (D) Try-Square
46. The Portion of the brick cut across its length :
- (A) Bat (B) King Closer
(C) Perpend (D) Queen Closer
47. Minimum Diameter of the G.I Pipe :
- (A) 20 mm (B) 25 mm
(C) 50 mm (D) 15 mm
48. Which type of pipe can be cut easily by pipe cutter?
- (A) A.C. Pipe (B) C.I. Pipe
(C) Copper Pipe (D) S.W. Pipe
49. Lead Caulked joints are Provided :
- (A) PVC Pipe (B) G.I. Pipe
(C) Copper Pipe (D) C.I. Pipe
50. Which Tool is used to Clean and Sharpen the jaw of wrench?
- (A) Flat file (B) Round file
(C) Triangular file (D) Half Round file
51. The pipe fittings make an angle of 90° between adjacent Pipe :
- (A) Elbow (B) Tee
(C) Reducer (D) Socket
52. Ferrules are made out of :
- (A) P.V.C (B) Brass
(C) Lead (D) Tin
53. The Instrument used for measuring the water pressure :
- (A) Pressure Gauge (B) Water Meter
(C) Hydrant (D) Marking Gauge

54. Filling up of water in the Suction pipe before starting centrifugal pump is known as :
(A) Pumping (B) Filling
(C) Boostening (D) Priming
55. Water having pH less than '7' is :
(A) Alkaline (B) Neutral
(C) Acidic (D) More Alkaline
56. The Suitable lay out for a water supply distribution system for an irregular grown town is :
(A) Ring System (B) Tree System
(C) Radial System (D) Grid Iron System
57. The Process which removes Pathogenic bacteria in water :
(A) Screening (B) Sedimentation
(C) Aeration (D) Disinfection
58. A hood on the top of vent pipe :
(A) Cowl (B) Tee
(C) Cap (D) Plug
59. The pipe which conveys to a drain the discharge from a water closet or urinals :
(A) Waste Pipe (B) Soil Pipe
(C) Vent Pipe (D) Siphon Pipe
60. The tap used in wash hand basin :
(A) Bib tap (B) Plug tap
(C) Pillar tap (D) Self Closing tap
61. The pipe which carries liquid waste that does not include human excreta :
(A) Soil pipe (B) Waste pipe
(C) Siphon pipe (D) Vent pipe
62. The pipe which is installed in the house draining to Preserve the water seal of the trap is called :
(A) Anti-siphonage pipe (B) Soil pipe
(C) Waste pipe (D) Rain water pipe

63. The Low grade of G.I pipe is marked as :
(A) Red band (B) Blue band
(C) Yellow band (D) Green band
64. Pinning in file is removed by :
(A) Triangular file (B) Chisal
(C) Hack saw blade (D) File Card
65. Which material is used to manufacture S.W pipe?
(A) Grey C.I. (B) Asbestose fiber
(C) Quality Clay (D) Concrete
66. Which device is used for measuring quantity of water flowing through pipe?
(A) Water metre (B) Ammeter
(C) Pressure gauge (D) Multimetre
67. State the ablution fixture :
(A) Water closet (B) Urinal
(C) Slope sink (D) Wash basin
68. Floor trap also known as :
(A) Running trap (B) Nahni trap
(C) Gully trap (D) S-trap
69. Which tool is used to assembling and dismantling of pipe?
(A) Spanner (B) Hack saw
(C) Tap and wrench (D) Pipe wrench
70. The normal length of G.I pipe available in market :
(A) 6 m (B) 8 m
(C) 5 m (D) 7 m
71. Engineer's Hammer is used for :
(A) Cutting (B) Filing
(C) Striking (D) Holding

72. The Trap which Prevent the Siphonage :
(A) P-Trap (B) Anti-D-Trap
(C) S-Trap (D) Floor trap
73. Which caliper is used for External measurement?
(A) Out side Caliper (B) Inside Caliper
(C) Jenny Caliper (D) Odd leg Caliper
74. Which chisel is used for cutting C.I pipe?
(A) Cross cut chisel (B) Round chisel
(C) Diamond point chisel (D) Flat chisel
75. Aluminium is extracted from :
(A) Zinc sulphate (B) Tin stone
(C) Hematite (D) Bauxite
76. Presence of calcium and magnesium in water cause :
(A) Softening (B) Hardening
(C) Poisoning (D) Turbidity
77. The available length of a S.W pipe :
(A) 600 mm (B) 500 mm
(C) 100 mm (D) 750 mm
78. Which valve is used for automatic closing of water to flush tank?
(A) Foot valve (B) Gate Valve
(C) Globe Valve (D) Float Valve
79. Zeolite process is used to remove :
(A) Water Hammer (B) Colour
(C) Water hardness (D) Taste
80. The size of waste fitting for wash basin :
(A) 40 mm (B) 32 mm
(C) 50 mm (D) 20 mm

81. The standard Meridian of India is :

- (A) $82 \cdot \frac{1}{2}^{\circ}$ East
- (B) $23 \cdot \frac{1}{2}^{\circ}$ South
- (C) $23 \cdot \frac{1}{2}^{\circ}$ North
- (D) $82 \cdot \frac{1}{2}^{\circ}$ North

82. The river known as sorrow of Bihar :

- (A) Damodar
- (B) Mahanadi
- (C) Kosi
- (D) Brahmaputra

83. Oldest mountain of India :

- (A) Himalaya
- (B) Aravalli
- (C) Kanjhan Janga
- (D) Mt. K2

84. Development of a country can generally be determined by :

- (A) Its average literary level
- (B) Its national income level
- (C) Its per capita income
- (D) Its health status

85. N.R.E.G.A. 2005 stands for :

- (A) Right to minimum wage
- (B) Right to work
- (C) Right to education
- (D) Right to association

86. The state which has the lowest Infant Mortality Rate :

- (A) Punjab
- (B) Bihar
- (C) Hariyana
- (D) Kerala

87. Who was known as Rani of Nagas?

- (A) Rani Lakshmi Bai
- (B) Rani Gaidiliu
- (C) Rani Roopmati
- (D) Rani Padmini

88. The author of "Prabudha Baratha" :

(A) Swami Vivekananda

(B) Sri Ramakrishna Paramahansa

(C) Raja Ram Mohan Rai

(D) Annie Besant

89. "ANUSILANSAMITI" is a :

(A) Newspaper

(B) Political party

(C) Social Reform Society

(D) Revolutionary society

90. The end of British East India Company's Rule in India :

(A) 1773

(B) 1858

(C) 1935

(D) 1947

91. "Poorna Swaraj" was accepted in which congress session?

(A) Calcutta

(B) Nagpur

(C) Allahabad

(D) Lahore

92. Present chief Election Commissioner of India :

(A) R.V.S. Porisastri

(B) V.S. Remadevi

(C) S.S. Dhanova

(D) V.S. Sambath

93. The venue of World Cup Football 2014:

(A) Spain

(B) Brazil

(C) England

(D) Italy

94. "Mudhgal Committee" related with :

(A) Western Ghat Protection

(B) 2 G spectrum

(C) IPL corruption

(D) Social Backwardness

95. The Satellite "Mangalyaan" launched by India was made with ————— engine.

- (A) Raptor
- (B) Gasoline
- (C) Viking 5 C
- (D) Cryogenic

96. The smallest river in Kerala :

- (A) Valapattanam
- (B) Nileswaram
- (C) Manjeswaram
- (D) Ramapuram

97. Largest area nut producing district in Kerala :

- (A) Kottayam
- (B) Wynad
- (C) Kasargod
- (D) Pattanamtitta

98. Who was known as "Pulaya Raja"?

- (A) Dr. Ambedkar
- (B) Kumara Guru
- (C) Ayyankali
- (D) Phule

99. V.T. Battathiripad stood for :

- (A) Political reform
- (B) Social reform
- (C) Literary field
- (D) Educational service

100. Founder of "Sahodara Sangam" :

- (A) Vagbatananda
- (B) Mannattu Padmanabhan
- (C) Dr. Palpu
- (D) K. Ayyappan