

**PSC Tradesman - Plumbing -
Technical Education/ Plumber - Kwa
Examination
Previous Year Question Paper**

***Exam Name: Tradesman - Plumbing -
Technical Education/ Plumber - KWA***

Date of Test : 08.11.2016

Question Paper Code: 147/2016

Medium of Questions: English



147/2016

1. Which valve is provided at intervals in long mains to prevent back pressure on the pump and in raising lines to prevent backflow of water ?
(A) Gate valve (B) Mud valve
(C) Reflux valve (D) Pressure relief valve
2. What distribution system is suitable for towns growing irregularly ?
(A) Dead End System (B) Grid Iron System
(C) Radial System (D) Ring System
3. Spun Iron pipes used in water supply shall confirm to IS Number is :
(A) 1534 (B) 1535 (C) 1536 (D) 1537
4. What fittings are used in pipelines, that easy to dismantle and repair ?
(A) Elbow (B) Union (C) Reducer (D) Cap
5. What is the disadvantage of GI pipe ?
(A) It can be easily jointed after threading.
(B) It is easy to detach joint.
(C) This pipe can be easily affected by acid or alkaline water.
(D) It will not get rusted easily because of galvanisation.
6. Which vice is used for holding round sections of metals, tubes and pipes ?
(A) Pipe vice (B) Bench vice (C) Pin vice (D) Hand vice
7. Soft solders whose melting points are below :
(A) 300°C (B) 350°C (C) 400°C (D) 450°C

8. The try square is used to :
- (A) Check the squareness
 - (B) Check the flatness
 - (C) Markline at 90° to the edges of work piece
 - (D) All the above
9. Calipers are classified according to their :
- (A) Joints and thickness
 - (B) Thickness and width
 - (C) Joints and legs
 - (D) Leg and width
10. Metals which contain Iron as major content are called :
- (A) Non Ferrous Metals
 - (B) Ferrous Metals
 - (C) Non Metal
 - (D) Alloy
11. Which is used to cut external threads on cylindrical work pieces ?
- (A) tap and wrench
 - (B) pipe wrench
 - (C) spanner
 - (D) die and stock
12. Melting point of Bronze is :
- (A) 1083°C
 - (B) 1005°C
 - (C) 983°C
 - (D) 660°C
13. Rolling thin layer of metal on to a base metal is known as :
- (A) Browning
 - (B) Enamelling
 - (C) Electroplating
 - (D) Cladding
14. Ordinary Portland cement is available in, How many grades ?
- (A) 2
 - (B) 3
 - (C) 4
 - (D) 5
15. _____ C.I. cover provided for manholes constructed within width of road under vehicular traffic.
- (A) Light duty
 - (B) Medium duty
 - (C) Heavy duty
 - (D) None of these

16. Minimum size of a bibcock is :
(A) 15 mm (B) 20 mm (C) 25 mm (D) 30 mm
17. Which valve is provided at the bottom of suction pipe for holding water in the suction pipe ?
(A) Foot valve (B) Ball valve (C) Gate valve (D) Globe valve
18. Floor trap is also known as :
(A) Gully trap (B) Running trap (C) Nahani trap (D) Intercepting trap
19. Commode is known as :
(A) Urinal (B) E.W.C. (C) I.W.C. (D) Sink
20. Advantage of P.V.C. pipe is :
(A) Light weight
(B) Corrosion free
(C) Cost of P.V.C pipe is cheaper than G.I. pipe
(D) All the above
21. Which system is also known as combined gravity and pumping system ?
(A) Gravity System (B) Duel System
(C) Direct Pumping System (D) None of these
22. Shovel is designed by its :
(A) length and weight (B) width and weight
(C) length and width (D) length
23. How many systems are adopted in plumbing of drainage work in a building ?
(A) 3 (B) 4 (C) 5 (D) 6
24. What test is applied to check the alignment and condition of the inside of the pipes ?
(A) Smoke test (B) Hydrostatic test (C) Pneumatic test (D) Mirror test

25. Force Cup is used for _____ purpose.
(A) Blockage removing (B) O.H. tank cleaning
(C) Testing of drain pipe (D) Testing of soil pipe
26. _____ is the best and the most improved type of system of plumbing.
(A) One Pipe System (B) Two Pipe System
(C) Single Stack System (D) Partially Ventilated System
27. A water having pH less than 7 is :
(A) Alkaline (B) Potable (C) Acidic (D) Neutral
28. Siphonic action is prevented by :
(A) Vent pipe (B) Soil pipe (C) Waste pipe (D) Rainwater pipe
29. Which tap is used in wash hand basin ?
(A) Bib tap (B) Self closing tap (C) Plug tap (D) Pillar tap
30. What is the size of holes in European water closet for fixing the floor ?
(A) 6.5 mm (B) 7 mm (C) 7.5 mm (D) 8 mm
31. The most commonly adopted pump in water supply is :
(A) Rotary pump (B) Airlift pump
(C) Centrifugal pump (D) Booster pump
32. The process which removes colloidal matters in water is :
(A) Screening (B) Sedimentation (C) Disinfection (D) Filtration
33. S.W.H. System stands for :
(A) Soil Waste Harvesting (B) Soft Water Heating
(C) Solar Water Heating (D) Soft Water Harvesting

34. Which is **not** a surface source of water ?
(A) Streams (B) Wells (C) Pond (D) Lake
35. Automatic flushing cisterns are done by :
(A) E.W.C. (B) I.W.C (C) Urinal (D) Bidet
36. Which is used for closing the end of a pipe or fitting having a male thread ?
(A) Union (B) Plug (C) Socket (D) Cap
37. Which punch is used for locating drilling holes ?
(A) Centre punch (B) Dot punch (C) Prick punch (D) Hollow punch
38. Which file is used to bring the material to accurate size with high degree of finish ?
(A) Smooth file (B) Second cut file (C) Rasp cut file (D) Dead smooth file
39. Plain or unthreaded portion of $\frac{1}{3}$ of the length of the screw is called :
(A) Head (B) Shank (C) Pitch (D) Point
40. Water meter in piping system is used to check up :
(A) quantity (B) quality (C) pressure (D) controlling
41. The pipe receiving discharge from water closet, urinals etc. are called :
(A) Waste pipe (B) Soil pipe (C) Rainwater pipe (D) Ventilation pipe
42. To prevent corrosion CI pipes are coated with :
(A) Zinc (B) Chromium
(C) Tin (D) Bituminous paint
43. While grinding, metal particles are get clogged into the grinding wheel. This process is called :
(A) Loading (B) Glazing (C) Dressing (D) Truing

44. The traps are used to prevent the passage of :
(A) Air (B) Waste water (C) Oxygen (D) Sewerages
45. Access of inspection testing and cleaning of drain is provided by :
(A) trap (B) cistern
(C) inspection chamber (D) gratings
46. _____ helps the pipeline to branch off at 90°.
(A) Tee bow (B) Coupling (C) Elbow (D) Union
47. The length of stoneware pipe is :
(A) 300 mm (B) 400 mm (C) 500 mm (D) 600 mm
48. How many grades of G.I pipes are available ?
(A) 2 (B) 3 (C) 4 (D) 5
49. The aggregates which can not pass IS Sieve - No : 480 has been classified as :
(A) Coarse aggregate (B) Medium aggregate
(C) Fine aggregate (D) None of these
50. _____ is used for plastering, brick laying and finishing concrete floors.
(A) Spade (B) Plumb bob (C) Spirit level (D) Trowel
51. Which saw is used for cutting sharp corners ?
(A) Coping saw (B) Compass saw (C) Fret saw (D) Pad saw
52. Brass is an alloy of :
(A) Copper and tin (B) Copper and Zinc
(C) Copper and lead (D) Copper and Aluminium
53. Which tap is used to finish the threads of blind holes of correct depth ?
(A) Taper tap (B) Intermediate tap (C) Bottoming tap (D) First tap

54. Function of flux is :
- (A) to prevent corrosion
 - (B) to helps molten solder to flow easily in the required place
 - (C) promote better joint
 - (D) all of the above
55. Which tongs are used for holding bars vertically ?
- (A) Round tongs
 - (B) Square mouth tongs
 - (C) Hollow tongs
 - (D) Flat tongs
56. Ore of Aluminium is :
- (A) Carbonate
 - (B) Bauxite
 - (C) Lemonite
 - (D) Magnetite
57. Check valve is also called :
- (A) Gate valve
 - (B) Mud valve
 - (C) Non-return valve
 - (D) Needle valve
58. Which threaded pattern is used in standard pipe fittings ?
- (A) B.S.P.
 - (B) B.S.W.
 - (C) B.S.F.
 - (D) B.A
59. Pillar tap should withstand an internally applied hydraulic pressure of :
- (A) 20 kg/sq.cm
 - (B) 25 kg/sq.cm
 - (C) 30 kg/sq.cm
 - (D) 35 kg/sq.cm
60. What pipes are mostly used in Water Supply Scheme ?
- (A) Steel pipe
 - (B) lead pipe
 - (C) Cast iron pipe
 - (D) Composite pipe

61. What should be used to connect two pipe with same diameter ?
(A) Reducer (B) Socket
(C) Eccentric Reducer (D) Concentric Reducer
62. The most important part of a trap is :
(A) Water seal (B) Diameter (C) Depth of water (D) Height
63. For achieving self cleaning velocity, 150 mm dia pipe should have a slope of :
(A) 1 : 35 (B) 1 : 40 (C) 1 : 50 (D) 1 : 60
64. Lead caulked joints are provided in _____ pipe.
(A) G.I. pipe (B) C.I pipe (C) R.C.C. pipe (D) AC pipe
65. Overflow from a tank is controlled by :
(A) Gate valve (B) Safety valve (C) Ball valve (D) Mud valve
66. The fittings used to cover the inlet in gully, disconnection and silt trap is :
(A) C.I. gratings (B) Small C.I. cover
(C) light duty C.I. cover (D) Heavy Duty C.I. cover
67. Flush valves are made of :
(A) Cast Iron (B) Brass (C) Fiber (D) Plastic
68. Temporary hardness can be removed by :
(A) Base exchange process (B) Filtration
(C) Screening (D) Boiling
69. Which grade cement is used to constructing normal building purpose ?
(A) 23 (B) 33 (C) 43 (D) 53
70. Vicat's needle apparatus is used for :
(A) Mixing (B) Measuring
(C) Filling of concrete (D) Consistency

71. An example of Non-ferrous metal is :
(A) Cast Iron (B) Lead (C) Wrought Iron (D) Mild Steel
72. The diameter of the main ventilation pipe should not be less than _____mm.
(A) 32 (B) 40 (C) 50 (D) 70
73. Benefits of Rain Water harvesting is :
(A) Ground water table raises (B) Reduce the salinity
(C) To avoid flooding (D) All the above
74. Which colour hose is used for carry accetylene gas :
(A) Maroon (B) Black (C) Green (D) Blue
75. Which pump is used to increase the pressure in pipe of a distribution system ?
(A) Air lift pump (B) Submersible pump
(C) Centrifugal pump (D) Booster pump
76. Which is commonly called as thumb nut ?
(A) Tee nut (B) Cap nut (C) Knurled nut (D) Self locking nut
77. Which chisel is used for squaring materials at the corner ?
(A) Diamond point chisel (B) Web chisel
(C) Flat chisel (D) Cross cut chisel
78. Head of the soldering Iron is made of :
(A) Bronze (B) Brass (C) Forged Copper (D) Aluminium
79. P.V.C. stands for :
(A) Premium Vinyl Chloride (B) Poly Vinyl Chloride
(C) Perfect Vinyl Chloride (D) Pure Vinyl Chloride
80. I.S. Code of water closet is :
(A) I.S. 2554 (B) I.S. 2555 (C) I.S. 2556 (D) I.S. 2557

81. Which Article of the Indian Constitution deals with Grama Sabha ?
(A) 240 (B) 243 (C) 115 (D) 116
82. Which chemical's nickname of "English Salt" is :
(A) Carbon Tetrachloride (B) Ferrichydrocide
(C) Magnesium Sulphate (D) None of the above
83. Koushal Vikas Yojana associated with _____.
(A) Skill Training for unskilled workers
(B) Special Training for unorganised workers
(C) Special Training for SC/ST
(D) Skill Training for Youth
84. Which place is known as "Gift of Pamba" ?
(A) Mandrothurth (B) Kuttanadu
(C) Aranmula (D) None of the above
85. Which Indian State firstly conduct survey on Gross National Happiness ?
(A) Tamil Nadu (B) Madhya Pradesh
(C) Assam (D) Delhi
86. Who is World Bank President ?
(A) Yong Kim (B) Ban Ki Moon
(C) Dufferin (D) None of the above
87. Where did "Malabar Hills" locate ?
(A) Tripurai (B) Bombay (C) New Delhi (D) Chennai

88. Who is known as "Maratha Kessri" ?
(A) C.R. Das (B) Bal Gangadhar Tilak
(C) Vallabhacharya (D) Aurobindo Ghosh
89. When did "Malayali Memmorial" occurred ?
(A) 1891 (B) 1882 (C) 1895 (D) 1896
90. Who is the author of "The private life of an Indian Prince" ?
(A) R.K. Narayan (B) Mulkraj Anand
(C) Aurobindo Ghosh (D) None of the above
91. First elected President of Indian National Congress :
(A) Nehru (B) Dr. Radhakrishnan
(C) Subhash Chandra Bose (D) None of the above
92. The first Indian to win All England Badminton Championship :
(A) Prakash Padukone (B) P.S. Sandhya
(C) Sania Mirza (D) Leander Paes
93. Renaissance leader known as 'Vindhyadi Rajan' :
(A) Thycaud Ayya (B) Poikayil Yohannan
(C) Blessed Kuriakose Elias Chavara (D) Chattampi Swami
94. Which state has the least percentage of forest area ?
(A) Chattisgarh (B) Bihar (C) Punjab (D) Goa
95. The First President of Nair Service Society :
(A) Mannath Padmanabhan (B) K. Kelappan
(C) Narayana Paniker (D) G. Sukumaran Nair

96. The official Report of Germany and China called as :
(A) White Book (B) Red Book (C) White Paper (D) Yellow Book
97. Who lead the "Mukkthi Agitation" for the sake of Lower Cast people in Kerala ?
(A) Arattupuzha Velandan (B) Kumara Guru
(C) Ayya Vaikundar (D) Vagbhatananda
98. Name the Governor General who is called "The Maker of Modern India" :
(A) William Bentick (B) Dalhousie (C) Curzon (D) Minto
99. The official publication SNDP started by Sree Narayana Guru :
(A) The Service (B) Vivekondyam
(C) Prathisha (D) None of the above
100. Kaziranga National Park in Assam is famous for :
(A) White Tiger (B) Lion tailed Macaque
(C) Wild Ass (D) One horned Rhino

- o o o -