

073/21

Question Booklet Alpha Code

A

	Question Booklet Sl. No.
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A

Total Number of Questions : 100

Time : 75 Minutes

Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C & D**.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator **IMMEDIATELY**.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices **(A), (B), (C)** and **(D)** having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.



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1. What is the ratio of lead and tin contains in a common solder ?
A) 1 : 1 B) 1 : 2 C) 2 : 1 D) 1 : 3
2. Melting point of copper is
A) 327 °C B) 1083 °C
C) 648 °C D) 215 °C
3. Compressive strength of first class bricks is not less than
A) 35 kg/cm² B) 70 kg/cm²
C) 105 kg/cm² D) 140 kg/cm²
4. The mixture of cement, sand, aggregate and water is called
A) Concrete B) Mortar
C) Mixture D) Grout
5. The main part of a gully trap is
A) Inlet B) Outlet
C) Water seal D) Grating
6. The standard pipe thread
A) BSW B) BSP C) BA D) BAP
7. What process is used for removal of pathogenic bacteria from water ?
A) Screening B) Sedimentation
C) Filtration D) Chlorination
8. Temporary hardness in water is also known as
A) Hyper hardness
B) Carbonate hardness
C) Mild hardness
D) Sulphate hardness

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9. An underground source of water
- A) Springs
 - B) Ponds
 - C) Lakes
 - D) Rain
10. Bend (F+F) means
- A) Bend without thread
 - B) Bend 45°
 - C) Bend with both end external thread
 - D) Bend with both end internal thread
11. Zeolite process is used to remove
- A) Impurities
 - B) Water hardness
 - C) Bacteria
 - D) Turbidity
12. Colour band for high grade GI pipe
- A) Red band
 - B) Yellow band
 - C) Blue band
 - D) Black band
13. Pipe wrench is used for pipes of diameter
- A) 0 to 15 mm
 - B) 20 to 100 mm
 - C) 15 to 50 mm
 - D) 25 to 75 mm
14. PVC pipes are used for temperature below
- A) 140 °F
 - B) 140 °C
 - C) 87 °F
 - D) 60 °F
15. What is the storing capacity of oxygen gas cylinder for welding ?
- A) 7 m³
 - B) 16 m³
 - C) 6 m³
 - D) 17 m³

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24. _____ is a mode of heat transfer which required no material medium.

- A) Conduction
- B) Convection
- C) Radiation
- D) Reaction

25. State the use of die sets.

- A) To cut pipes
- B) To cut holes
- C) To cut external threads
- D) To cut internal threads

26. Welding is a _____ fastening.

- A) Permanent
- B) Semi permanent
- C) Temporary
- D) None of these

27. Minimum size of GI pipe for water supply

- A) 6 mm
- B) 12 mm
- C) 0.5 mm
- D) 20 mm

28. Smallest measurement from a steel rule is

- A) 0.5 cm
- B) 0.5 mm
- C) 0.5 inch
- D) 0.1 mm

29. Bronze is an alloy of

- A) Copper and Tin
- B) Copper and Zinc
- C) Tin and Zinc
- D) None of these

30. Bacteria which causes reduction of sludge in a septic tank

- A) Aerobic
- B) Anerobic
- C) Coliform
- D) Yeast

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31. A nipple has
- A) Male thread on both ends
 - B) Female thread on both ends
 - C) No threads on both ends
 - D) None of these
32. Dual system of distribution means
- A) Gravity system
 - B) Pumping system
 - C) Gravity and pumping system
 - D) Intermittent and continuous system
33. A structure constructed for drawing water from reservoir is called
- A) Dams
 - B) Intakes
 - C) Overflows
 - D) Wells
34. What is the advantage of needle valve ?
- A) Fine control over the flow
 - B) Easy control the flow
 - C) Used as wash out
 - D) Automatic control
35. Coal tar coating is done to CI pipes for
- A) To protect the pipes from corrosion
 - B) To joint pipes
 - C) To get smooth flow
 - D) To absorb more pressure
36. State the advantages of steel pipes.
- A) Affect corrosion
 - B) Easy to bend
 - C) Can withstand high pressure
 - D) Not affect saline water

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37. Where are flanged joints preferred ?

- A) In sewer lines
- B) In temporary pipe lines
- C) For AC pipes
- D) For PVC pipe lines

38. Why foot valves are provided in suction pipe ?

- A) For the safety of the pump
- B) For holding water in suction line
- C) For the safety of pipe lines
- D) To get more efficiency

39. What is the advantage of intermittent water supply ?

- A) Can supply to high level with pressure
- B) 24 hours water supply
- C) Has to store water
- D) Get minimum pressure

40. What should be the moisture content when density of timber is determined ?

- A) 12%
- B) 10%
- C) 8%
- D) 15%

41. Volume of one bag of cement is

- A) 3.5 m^3
- B) 0.0035 m^3
- C) 0.35 m^3
- D) 0.035 m^3

42. A pump having impeller is

- A) Displacement pump
- B) Centrifugal pump
- C) Hydraulic ram
- D) Reciprocating pump

43. A soil fixture is

- A) Wash basins
- B) Bath tub
- C) Urinals
- D) Bathroom

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53. A waterproof chemical is

- A) Ceroplastic
- B) Solvent
- C) Putty
- D) Plaster of paris

54. How to prevent algae growth in OH tank ?

- A) By use of bleaching powder
- B) By use of copper sulphate
- C) By use of chlorine
- D) By use of lime

55. Why traps are fitted in drainage system ?

- A) To prevent waste water
- B) To prevent blocks
- C) To avoid repairs
- D) To prevent foul gas

56. How many pipes are there in a one pipe system ?

- A) 1
- B) 2
- C) 3
- D) 4

57. What is the initial requirement to start a centrifugal pump ?

- A) It should have electricity
- B) It should have 50 ft head
- C) It should have minimum 8 m suction head
- D) It should be full of water in pump

58. Which is a process of water treatment ?

- A) Intake
- B) Coagulation
- C) Storing
- D) Pumping

59. State the advantage of composite pipes.

- A) Easily break
- B) Curves can be easily formed
- C) Easy to joint
- D) Used in main lines

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68. The water which is safe to drink is

- A) Colourless water
- B) Clear water
- C) Potable water
- D) Bottled water

69. Bricks are laid

- A) With frog down
- B) Frog side
- C) With frog up
- D) None of these

70. One of the benefits of rain water harvesting is

- A) Reduce salinity
- B) Reduce impurities
- C) Avoid smell
- D) Change colour

71. The length of GI pipes available in market is

- A) 3 m
- B) 4.5 m
- C) 5 m
- D) 6 m

72. The dia. of the hose which is usually connected to the post hydrant is

- A) 63 mm
- B) 50 mm
- C) 40 mm
- D) 100 mm

73. The first artificial cement is

- A) Portland cement
- B) Birla white
- C) Grey cement
- D) Pozzolona 23 grade

74. Soil pipe is the pipe which connects the water closet to

- A) Trap
- B) Septic tank
- C) Vent pipe
- D) Siphonage pipe

75. The gas produced in the septic tank is

- A) Methane
- B) Propane
- C) Butane
- D) CNG

76. A CID joint has _____ rubber rings.

- A) 1
- B) 2
- C) 3
- D) 4

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77. 1 m³ of water is equal to _____ litre.
- A) 100 B) 1000 C) 10000 D) 4.54
78. IS number of water closet is
- A) IS 2565 B) IS 776 C) IS 2548 D) IS 2556
79. Aluminium is extracted from
- A) Galena B) Pyrite C) Bauxite D) Limonite
80. Scour valve is provided for
- A) Safety B) Priming
C) Check back flow D) Wash out
81. Cast Iron Pipes are made of
- A) Grey Cast Iron B) Chilled Cast Iron
C) Malleable Cast Iron D) White Cast Iron
82. It is used for carrying excavated materials
- A) Spade B) Jack Plane C) Mortar Pan D) Trowel
83. The fitting used on pipeline for easy to dismantle and repair
- A) Tee B) Elbow C) Coupling D) Union
84. Flanged joints are proffered in pipeline for
- A) Temporary Joint B) Permanent Joint
C) Piece Pipe Joint D) Underground Pipe Joint
85. Which type of Bender has tripod stand ?
- A) Bench pipe bender
B) Hydraulic bending machine
C) Portable hand operated pipe bender
D) Machine bender

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Space for Rough Work



A