

**008/2026**

Question Booklet  
Alpha Code

**A**

Question Booklet  
Serial Number

Total No. of questions : 100

Time : 1 Hour 30 Minutes

Maximum : 100 Marks

**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 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.



008/2026

Maximum : 100 marks

Time : 1 hour and 30 minutes

1. In ABC of first aid, A-stands for Air way, B-stands for Breathing and C-stands for :  
(A) Cardio problem (B) Circulation  
(C) Cardio arrest (D) Cleaning

2. The accuracy of measurement by try square is about :  
(A) 0.002 mm per 10 mm length (B) 0.02 mm per 10 mm length  
(C) 0.001 mm per 30 mm length (D) 0.02 mm per 30 mm length

3. Chipping operation the clearance angle is very low and the rake angle is more, what will be done?  
(A) Chipping more easy (B) Chipping more accurate  
(C) Material to be chipped (D) The chisel will slip

4. Name the Instrument used to measure the diameter of a hole :  
(A) Depth micrometer (B) Tube micrometer  
(C) Inside micrometer (D) Outside micrometer

5. When the taper shank of the drill is larger than the machine spindle, the device to the drill is used?  
(A) Drill sleeve (B) Twist drill  
(C) Taper sockets (D) Chuck

6. Which tool should be used to clean jaws of pipe wrench?  
(A) Knife (B) Oil stone  
(C) Square file (D) Triangular file

7. Pipe wrench is used for pipes of diameter is :  
(A) 15 mm to 50 mm (B) 15 mm to 62 mm  
(C) 15 mm to 100 mm (D) 15 mm to 150 mm

8. Why is ratchet stop provided to the Spindle of an outside Micro meter?  
(A) Provide excess pressure (B) Prevent excess pressure  
(C) Provide comfort to finger (D) Provide precision measure

9. What is Removing small quantity excess material from a job by a file?  
(A) Cutting (B) Grinding  
(C) Chipping (D) Filling

10. The Bottom surface joining the two sides of Adjacent threads (external threads) is  
(A) Flank (B) Crest  
(C) Root (D) Pitch

11. Which one of the following properties of a metal has ability to change its shape without destruction under the influence of External force?  
(A) Plasticity (B) Elasticity  
(C) Mellability (D) Stiffness

12. Which of the following metals can be found in a pure state in nature?  
(A) Lead (B) Tin  
(C) Gold (D) Copper

13. Gun metal is an alloy of :  
(A) Copper, Tin, Zinc (B) Copper, Tin, Lead  
(C) Copper, Zinc, Antimony (D) Copper, Chromium, Antimony

14. The use of AC pipes can lead to health problems because of presence of :  
(A) Carbon in it (B) Cement in it  
(C) Asbestos in it (D) Antimony in it

15. What is the use of Hemp packing in pipe jointing?  
(A) Prevent corrosion of pipes (B) Prevent cracking of pipes  
(C) To keep the joint water tight (D) To ensure smooth flow of liquid

16. SWG pipes Glazing helps as :  
(A) Get smooth inside the pipes (B) Get Glazing at spigot  
(C) Get Interior strength (D) Get crushing strength

17. Which pipe fittings are used for closing a pipe line which has an Internal threading?  
(A) Socket (B) Reducer  
(C) Cap (D) Plug

18. What is the IS code of spun iron pipes?

(A) IS 1536	(B) IS 1538
(C) IS 1729	(D) IS 3989

19. What joint to be used for PPR pipes (Poly Propylene Random Co-Polymer pipes)?

(A) Socket and spigot joint	(B) Poly fusion welding joint
(C) Expansion joint	(D) Flanged joint

20. Which pipe joint can be dismantled and again assembled easily?

(A) Flexible joint	(B) Screwed joint
(C) Collar joint	(D) Flanged joint

21. What is the correct statement in the case of requirements of wholesome water?

(A) It should be free from bacteria which may cause disease
(B) It should be tasteless
(C) It should be corrode pipes
(D) It should be contend all objectionable matters

22. The instrument 'Tinto meter' which is used for :

(A) To measure the quantity of turbidity in water
(B) To measure the quantity of colour in water
(C) To measure taste and odour in water
(D) To measure the temperature of water

23. Which process is use for removing the impurity of Dissolved gases tastes and odours in water?

(A) Screening	(B) Filteration
(C) Aeration and Chemical treatment	(D) Sedimentation with coagulation

24. 1-2 ppm BOD (Biochemical Oxygen Demand) results interpreting that :

(A) Very clean water, little organic decay
(B) Much organic decay
(C) Very unhealthy level of organic decay
(D) Moderately clean water, some decay

25. What should be done to remove floating materials like dead animals?

(A) Filtration (B) Disinfection  
(C) Screening (D) Sedimentation

26. The destruction of all living things is called :

(A) Filtration (B) Disinfection  
(C) Sedimentation (D) Screening

27. Which pipe is used for making goose neck in the house connection?

(A) PVC Pipe (B) Lead Pipe  
(C) Steel Pipe (D) Copper Pipe

28. Which test is used for old pipe line?

(A) Ball test (B) Smoke test  
(C) Hydrostatic test (D) Chemical test

29. What is the standard code for rotational moulded polythene water storage tank is?

(A) IS 771 (B) IS 2556  
(C) IS 12701 (D) IS 2558

30. The installation and maintenance of domestic water meter is governed by :

(A) IS 2004 (B) IS 6748  
(C) IS 6784 (D) IS 2104

31. The pump which is not a kinetic energy pump is :

(A) Centrifugal pump (B) Rotary pump  
(C) Reciprocating pump (D) Air lift pump

32. What is the principle on centrifugal pump?

(A) Centripetal force (B) Turbulance force  
(C) Suctional force (D) Centrifugal force

33. Impulse pump also known as :

(A) Airlift pump (B) Rotary pump  
(C) Hydraulic ram (D) Displacement pump

34. Which system is used for towns growing irregularly?

(A) Ring system	(B) Tree system
(C) Radial system	(D) Grid iron system

35. The pump attached with impeller and pump is :

(A) Air lift pump	(B) Booster pump
(C) Centrifugal pump	(D) Mono block pump

36. With reference to water storage, ESR stands for :

(A) External Storage Reservoir	(B) Elevated Storage Reservoir
(C) Extra Storage Reservoir	(D) Essential Storage Reservoir

37. Sump is constructed at the :

(A) On the ground	(B) Below the ground
(C) Over head	(D) Over the roof

38. Which location the booster pumps are fixed?

(A) Where pressure is high	(B) Where pressure is low
(C) Where temperature is high	(D) Where temperature is low

39. Diffuser type of centrifugal pumps are those centrifugal pumps which have :

(A) Open impeller	(B) Turbine type of casing
(C) Rotary casing	(D) Suction rod type of casing

40. Axial flow centrifugal pumps are characterised by :

(A) High flow and low pressure	(B) Low flow and high pressure
(C) High flow and high pressure	(D) Low flow and low pressure

41. What is the size of waste fitting for sink?

(A) 20 mm	(B) 50 mm
(C) 32 mm	(D) 12 mm

42. Which valve fixed to prevent water hammer in pump?

(A) Air release valve	(B) Pressure release valve
(C) Gate valve	(D) Non return valve

43. Capacity of High level flushing cisterns :

(A) 3 liters	(B) 5 liters
(C) 8 liters	(D) 10 liters

44. How much the pressure the pillar taps can withstand?

(A) 20 kg/sq.cm	(B) 15 kg/sq.cm
(C) 25 kg/sq.cm	(D) 30 kg/sq.cm

45. What should be done if water is running continuously with bowl in flush valve?

(A) Replace packing	(B) Replace tap
(C) Replace washer	(D) Replace cock

46. Check valve is also known as :

(A) Sluice valve	(B) Pressure relief valve
(C) Reflux valve	(D) Drain valve

47. Water closet outlet dimension is :

(A) 75 mm	(B) 100 mm
(C) 125 mm	(D) 50 mm

48. Traps are used to prevent the passage of :

(A) Waste water	(B) Air
(C) Sewage	(D) Oxygen

49. Identify the following shown below :



(A) Globe valve	(B) Relief valve
(C) Swing Check valve	(D) Drain valve

50. What is the size of over flow pipe in flushing cistern?

(A) 12 mm	(B) 20 mm
(C) 32 mm	(D) 50 mm

51. Which type of rivet is used in fabrication work of sheet metal work?

(A) Mushroom head	(B) Snap head
(C) Flat head	(D) Pan head

52. \_\_\_\_\_ nut is used where frequent adjustment is required.

(A) Thump nut	(B) Cap nut
(C) Wing nut	(D) Lock nut

53. \_\_\_\_\_ tool is used to prevent the damage of head and shape of the rivet.

(A) Rivet set	(B) Drift
(C) Dolly	(D) Snap

54. Which type washer can be used for locking the nuts which are located near an edge or corner?

(A) Locking plate	(B) Tab Washer
(C) Lock washer with leg	(D) Spring washer

55. What is the hole diameter of 5mm rivet?

(A) 5.2 mm	(B) 5.3 mm
(C) 5.1 mm	(D) 4.9 mm

56. \_\_\_\_\_ is used as flux mainly for soldering stainless steel.

(A) Zinc chloride	(B) Hydrochloric acid
(C) Resin	(D) Phosphoric acid

57. Most important part of soldering iron :

(A) Shank	(B) Copper Bit
(C) Snap	(D) Iron Bit

58. What is the ratio of Tin and Lead in Coarse solder?

(A) 50:50	(B) 60:40
(C) 70:30	(D) 40:60

59. In brazing, filler material is known as :

(A) Spelter	(B) Borax
(C) Solder	(D) Copper

60. Which nut is used in coach building?

(A) Hexagonal nut	(B) Self locking nut
(C) Square nut	(D) T-nut

61. The number of pipes provided in two pipe system :

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

62. Which test is used to clarify the obstructions of house drainage pipe line?

(A) A lead slide test	(B) Pneumatic test
(C) Smoke test	(D) Hydrostatic test

63. A septic tank is used to treat :

(A) Domestic sullage	(B) Domestic sewage
(C) Domestic garbage	(D) Municipal sewage

64. The small masonry chamber which is constructed below the street inlet to prevent the flow of grit, sand etc is called :

(A) Catch basin	(B) Overflow weir
(C) Gutter inlet	(D) Curb inlet

65. Purpose of manhole provided in drainage system :

(A) Collection of disposal	(B) Collection and inspection
(C) Inspection and maintenance	(D) Maintenance and collection

66. The distance between inspection chamber and gully trap chamber should not exceed :

(A) 6 m	(B) 8 m
(C) 4 m	(D) 9 m

67. The minimum internal diameter of access shaft of manhole are :

(A) $30 \times 30$ cm	(B) $40 \times 40$ cm
(C) $50 \times 50$ cm	(D) $50 \times 60$ cm

68. Self cleaning velocity of 60 cm diameter sewage pipe is :

(A) 1.00 m/sec	(B) 0.75 m/sec
(C) 0.60 m/sec	(D) 0.5 m/sec

69. Seepage pit is also known as :

(A) Cess pool	(B) Septic Tank
(C) Catch basin	(D) Soak pit

70. The diameter of main ventilating pipe should not be less than :

(A) 100 mm	(B) 32 mm
(C) 50 mm	(D) 60 mm

71. Which joint is called Universal joint?

(A) Mechanical joint	(B) Collar Joint
(C) Victalic joint	(D) Flexible joint

72. Which joint is used at such places where pipes contract due to change in atmospheric temperature?

(A) Screwed joint	(B) Mechanical joint
(C) Expansion joint	(D) Flexible joint

73. The width of the trench shall be outside diameter of the pipe plus \_\_\_\_\_ cm.

(A) 30 cm	(B) 45 cm
(C) 60 cm	(D) 15 cm

74. Which pipe is essentially used for carrying Ammonia?

(A) Steel pipe	(B) Copper pipe
(C) PVC pipe	(D) Brass pipe

75. What is the centre to centre spacing while fixing of sight rail?

(A) 5 m	(B) 6 m
(C) 7.5 m	(D) 2.5 m

76. While stainless steel soldering, what is used as flux :

(A) Phosphoric Acid	(B) Zinc Chloride
(C) Hydrochloric Acid	(D) Sal-Ammoniac

77. Roots of trees with a distance of \_\_\_\_\_ cm from the pipe side are also to be removed or killed while excavating for pipe laying.

(A) 30 cm	(B) 50 cm
(C) 80 cm	(D) 100 cm

78. Which of the following statement is/are correct about benefits of rain water harvesting is?

- (i) Ground water table rises
- (ii) Reduce the salinity
- (iii) Avoiding flooding

- (A) Only (i) and (ii)
- (B) Only (ii) and (iii)
- (C) Only (i) and (iii)
- (D) All are correct

79. In a \_\_\_\_\_ solar water heating system the storage tank is Horizontaly mounted immediately above solar collectors on the roof.

- (A) close coupled
- (B) pump circulated
- (C) open loop system
- (D) closed loop systems

80. Specific heat of water is :

- (A) 1
- (B) 0.22
- (C) 0.1
- (D) 0.12

81. Radiation pyrometers are used to measure temperatures of red hot metals upto \_\_\_\_\_ Degree celsius.

- (A) 600
- (B) 1600
- (C) 3000
- (D) 300

82. Which joint is mostly used for temporary pipe line?

- (A) Solvent cement joint
- (B) Expansion joint
- (C) Flanged joint
- (D) Screwed joint

83. A fitting with internal threads is used to connect two pipes with different diameter without any direction change :

- (A) Socket
- (B) Nipple
- (C) Reducer coupling
- (D) Elbow

84. The parts to be brazed are submerged in a molten metal or chemical bath is called :

- (A) Torch brazing
- (B) Furnace brazing
- (C) Dip brazing
- (D) Induction brazing

85. The heat of the sun travels through the space is the example of :

(A) Conduction (B) Convection  
(C) Radiation (D) None of these

86. Cold water connection is given to the \_\_\_\_\_ side in the mixer tap.

(A) Right side (B) Left side  
(C) Middle (D) Either left or right

87. Indirect solar heating systems use a heat exchanges that separates the portable water from the fluid, known as \_\_\_\_\_ circulates through the collector.

(A) hot water (B) heat transfer fluid  
(C) hot air (D) steam

88. Roof top water harvesting involves taking down a PVC or M.S. Pipe of \_\_\_\_\_ to \_\_\_\_\_ mm dia pipe from the roofs outlet to the ground floor.

(A) 90 to 120 mm (B) 100 to 150  
(C) 75 to 100 (D) 100 to 200

89. \_\_\_\_\_ Solar water heating systems costless and have extremely low or no maintenance.

(A) Active (B) Passive  
(C) Direct (D) Indirect

90. The temperature is measured by :

(A) Thermometer (B) Manometer  
(C) Osmoscope (D) Lactometer

91. What is the length of club hammer handle?

(A) 125 mm (B) 225 mm  
(C) 300 mm (D) 350 mm

92. What is the use of Hawk?

(A) To carry mortar (B) Trimming  
(C) Plastering (D) Cutting

93. Which brick is used for ornamental works?

(A) Perforated Brick	(B) Fire Brick
(C) Heavy duty Brick	(D) Sand lime brick

94. After two years of storage the strength of cement is :

(A) 60 %	(B) 48 %
(C) 75 %	(D) 85 %

95. Specific gravity of fine aggregate is more than :

(A) 2.7	(B) 7.2
(C) 5.7	(D) 7.5

96. What is compressive strength of first class brick?

(A) Not less than 22 kg/cm <sup>2</sup>	(B) Not less than 70 kg/cm <sup>2</sup>
(C) Not less than 35 kg/cm <sup>2</sup>	(D) Not less than 105 kg/cm <sup>2</sup>

97. Curing shall be started ————— Hours after finishing the plastering.

(A) 24 Hrs.	(B) 8 Hrs.
(C) 0.5 Hrs.	(D) 28 Days

98. Shorter length with one end flattend to enter the wall joints is called :

(A) Braze	(B) Putlog
(C) Standard	(D) Ledger

99. Which type of scaffolding is called mason's scaffolding?

(A) Independent scaffolding	(B) Dependent scaffolding
(C) Needle scaffolding	(D) Ladder scaffolding

100. Which class lime is used for structural purpose?

(A) A class	(B) B class
(C) C class	(D) None of these

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**SPACE FOR ROUGH WORK**

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