

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

23-0005-AB

TEST BOOKLET
PAPER-II
PLUMBER

Time Allowed: 1 hr

Maximum Marks: 50

INSTRUCTIONS TO CANDIDATES

Read the instructions carefully before answering the questions: -

1. This Test Booklet consists of 08 (eight) pages and has 50 (fifty) questions.
2. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET *DOES NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
3. Please note that it is the candidate's responsibility to fill in the Roll Number and other required details carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the OMR Answer Sheet liable for rejection.
4. Do not write anything else on the OMR Answer Sheet except the required information. Before you proceed to mark in the OMR Answer Sheet, please ensure that you have filled in the required particulars as per given instructions.
5. Use only Black Ball Point Pen to fill the OMR Answer Sheet.
6. Each question comprises of 04 (four) responses (answers). You are required to select the response which you want to mark on the OMR Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose *ONLY ONE* response for each item.
7. After you have completed filling in all your responses on the OMR Answer Sheet and the examination has concluded, you should hand over to the Invigilator *only the OMR Answer Sheet*. You are permitted to take the Test Booklet with you.
8. Penalty for wrong answers in case of Multiple Choice based Questions:
THERE WIL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to the question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to the question.
 - (iii) If a question is left blank. i.e., no answer is given by the candidate; there will be no penalty for that question.

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PLUMBER

Choose the correct answer for the following questions: (1 x 50 = 50)

1. Punch is made out of
 - (a) High carbon steel
 - (b) Mild steel
 - (c) Low carbon steel
 - (d) Medium carbon steel
2. HDPE stands
 - (a) High density polythene
 - (b) High density polyethylene
 - (c) High density polystyrene
 - (d) None of these
3. In a C_2H_2 cylinder the C_2H_2 is dissolved in
 - (a) Carbon dioxide
 - (b) Mercury
 - (c) Water
 - (d) None of these
4. The angle of metric thread is
 - (a) 47°
 - (b) 55°
 - (c) 60°
 - (d) 75°
5. A circular type jobs are gripped in
 - (a) Bench vice
 - (b) Pipe wrench
 - (c) Pipe vice
 - (d) b and c
6. Subscriber is made out of
 - (a) High carbon steel
 - (b) Spring steel
 - (c) Low carbon steel
 - (d) High grade cast steel
7. ----- is used to remove the pining of the files
 - (a) Wire strip
 - (b) Nylon brush
 - (c) File card
 - (d) all of these
8. File is made out of
 - (a) High carbon steel
 - (b) Cast iron
 - (c) Low carbon steel
 - (d) Medium carbon steel

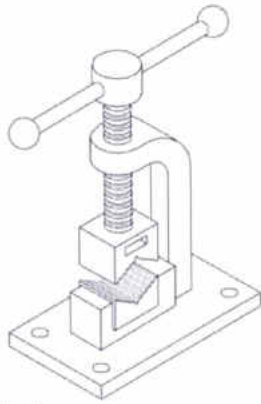
9. What is the point angle of centre punch?
- (a) 30°
 - (b) 45°
 - (c) 60°
 - (d) 90° .
10. What is the use of odd leg caliper?
- (a) For measuring the external dimensions
 - (b) For measuring the internal dimensions
 - (c) For scribing arcs and circles
 - (d) For marking lines parallel to inside and outside edges
11. Which type of joint is suitable for joining large size PVC pipes with valve?
- (a) Flanged joint
 - (b) Compression joint
 - (c) Flare joint
 - (d) Brazed joint
12. Which of the following technique is not used for prevention of corrosion?
- (a) Painting
 - (b) Greasing
 - (c) Heating
 - (d) Plating
13. Galvanization is a technique to
- (a) Improve the ductility property of metal
 - (b) Protect food from rancidities
 - (c) Extract iron from its ore
 - (d) Protect the iron metal from corrosion
14. What is the test pressure of class P3 ordinary hummed pipes?
- (a) 1 kg/cm^2
 - (b) 2 kg/cm^2
 - (c) 4 kg/cm^2
 - (d) 6 kg/cm^2
15. Which pipe has the property of brittleness?
- (a) Polyvinyl chloride
 - (b) Mild steel
 - (c) Asbestos cement
 - (d) Steel
16. What is the size of ventilation pipe provided in a septic tank?
- (a) 100 mm
 - (b) 125 mm
 - (c) 180 mm
 - (d) 175 mm
17. What is the cause of centrifugal pump losing its prime?
- (a) Air leak in the delivery line
 - (b) Insufficient suction to lift
 - (c) Defective switch
 - (d) Air leak in the suction line

18. Which tap is preferable while hot and cold water supply is available?
- (a) Waste-not tap
 - (b) Bib cock
 - (c) Mixing tap
 - (d) Stop cock
19. How do we identify the hot water tap?
- (a) Blue spot on tap
 - (b) Green spot on tap
 - (c) Red spot on tap
 - (d) Yellow spot on tap
20. Why dry sand is filled before bending the pipe by hot bending method?
- (a) Preventing the tube from lengthening
 - (b) Preventing the tube from cracking
 - (c) To avoid colour change
 - (d) To avoid formation
21. Molten metal in brazing flows due to -
- (a) Surface tension
 - (b) Viscosity
 - (c) Capillary action
 - (d) a and c
22. Soft solder consist of-
- (a) Pb+Sn
 - (b) Cu+Sn
 - (c) Pb+Zn
 - (d) Pb+Al
23. Why is chalk applied on the face of the file?
- (a) To increase penetration and pinning
 - (b) to reduce the excessive pressure
 - (c) to increase chip removed rate
 - (d) to reduce penetration and pinning
24. Which of the following is not the purpose of flux in brazing?
- (a) Chemically cleaning the metal
 - (b) Increasing the weight of brazed joint
 - (c) Shielding from the atmosphere
 - (d) all of these
25. A collate chuck is meant for the gripping of -
- (a) Small dia jobs
 - (b) Heavy job
 - (c) Small jobs
 - (d) Large dia jobs
26. Which type of chisel is used for making rectangular holes in wood?
- (a) Bevel firmer chisel
 - (b) Firmer chisel
 - (c) Mortise chisel
 - (d) None of these

27. Following type of file is used in wood work
- (a) Half round file
 - (b) Bastard file
 - (c) Rasp file
 - (d) all of these
28. The width of the reinforced concrete band is taken the same as the----
- (a) Thickness
 - (b) height
 - (c) mass
 - (d) length
29. Which fitting is used for closing the end of a GI pipe?
- (a) Plug
 - (b) elbow
 - (c) socket
 - (d) cap
30. What is the angle of BSP pipe threads?
- (a) 50°
 - (b) 55°
 - (c) 60°
 - (d) 65°
31. Which bicarbonate are the reasons for temporary hardness of water
- (a) Nitrates
 - (b) sulphates
 - (c) calcium and magnesium
 - (d) chlorides
32. What is the first step of avoiding accident in work place?
- (a) Doing things with a highly skilled working practice
 - (b) By wearing safety equipment
 - (c) Doing things in one's own way
 - (d) By observing safety precautions
33. Which vice is operated by trigger to open the movable jaw?
- (a) Hand vice
 - (b) Bench vice
 - (c) Tool maker's vice
 - (d) Quick release vice
34. What is the formation deposited on pipes due to hardness of water
- (a) Erosion
 - (b) Scaling
 - (c) Rusting
 - (d) Pitting
35. What material is used to manufacture AC pipes?
- (a) Asbestos fibre, clay, lime
 - (b) Asbestos fibre, Portland cement and silica
 - (c) Asbestos fibre, lime and cement
 - (d) Asbestos fibre, silica and lime

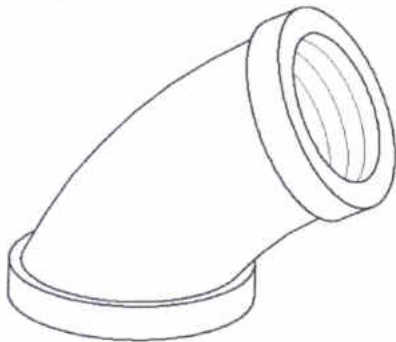
36. Which precaution is to be observed during the thread cutting in GI pipes
- (a) Apply little pressure to the die stock
 - (b) Clean the thread with wire brush
 - (c) Apply oil
 - (d) To turn the die stock anti clock wise to break the chips
37. Oxygen cylinder is painted by
- (a) Blue colour
 - (b) Red colour
 - (c) Maroon colour
 - (d) None of these
38. What is the recommended maximum size of aggregate in mm for RCC works to all precast items such as wash basin?
- (a) 12-20 mm
 - (b) 12-35 mm
 - (c) 25-50 mm
 - (d) 40-80 mm
39. Which flexible material is heated and spread over bedding or walls used as water proofing compound?
- (a) Gramite
 - (b) Copper sheet
 - (c) Hot bitumen
 - (d) Bricks
40. _____ pipe is used mostly used to carry cold water
- (a) Lead pipe
 - (b) Copper pipe
 - (c) PVC pipe
 - (d) Steel pipe
41. What is the minimum size of water tap?
- (a) 10 mm
 - (b) 15 mm
 - (c) 20 mm
 - (d) 30 mm
42. Which pipe is banned in many countries due to health issue?
- (a) Asbestos cement
 - (b) GI pipe
 - (c) Steel pipe
 - (d) CI pipe

43 What is the name of this device?



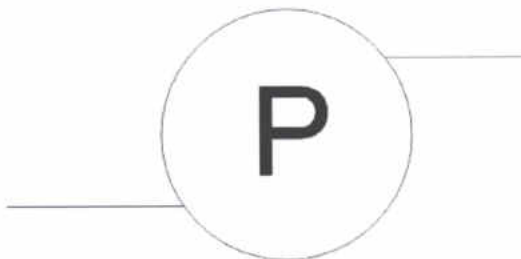
- (a) Hand vice
- (b) Tool maker vice
- (c) Pipe vice
- (d) None of these

44. What is the type of elbow?



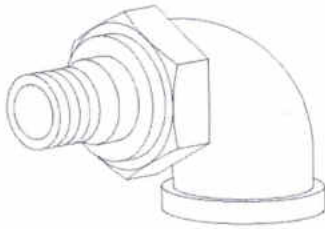
- (a) 15° elbow
- (b) 45° elbow
- (c) 60° elbow
- (d) 75° elbow

45. What is the name of symbol as per BIS?



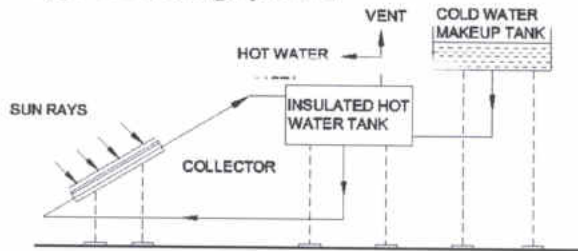
- (a) Pump
- (b) safety valve
- (c) safety valve
- (d) mixing valve

46. The following picture is that of a:



- (a) Bend 45°
- (b) Barrel nipple
- (c) Union elbow
- (d) Reducing socket

47. What is the type of heating system?



- (a) Hot air industrial process heat system
- (b) Solar water heater
- (c) Solar process steam system
- (d) Forced circulation water heater

48. Which type of pump should be used in order to handle low viscosity fluids?

- (a) End suction pump
- (b) Submersible pump
- (c) Displacement pump
- (d) Centrifugal pump

49. Which type of metal tube can be bent by using spring bender?

- (a) Steel tube
- (b) GI tube
- (c) Copper tube
- (d) Brass tube

50. What type of fitting is used on the top of vent pipe in a septic tank?

- (a) PVC coupling
- (b) PVC elbow
- (c) Vent cowl
- (d) PVC bent