

CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

Technical and Vocational Education Examination

7455 PLUMBING DRAWING 1



JUNE XXXX

ADVANCED LEVEL

Specialty(Specialty Code)	
Centre No.	
Centre Name	
Candidate No.	
Candidate Name	

Mobile phones are **NOT** allowed in the examination room

7455 PLUMBING DRAWING 1: MULTIPLE CHOICE QUESTION PAPER

One and a half hours

INSTRUCTIONS TO CANDIDATES

Read the following instructions carefully before you start answering the questions in this paper. Make sure you have a soft HB pencil and an eraser for this examination.

1. USE A SOFT HB PENCIL THROUGHOUT THE EXAMINATION.
2. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

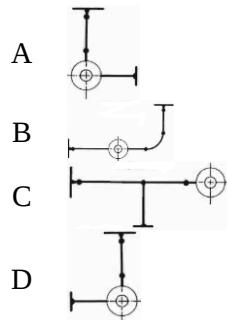
Before the examination begins:

3. Check that this question booklet is headed **Advanced Level – 7455 PLUMBING DRAWING 1**
4. Insert the information required in the spaces above.
5. Insert the information required in the spaces provided on the answer sheet using your HB pencil:
Candidate Name, Exam Session, Subject Code, Centre Number and Candidate Number. Take care that you do not crease or fold the answer sheet or make any marks on it other than those asked for in these instructions.
6. **Answer ALL questions**
7. Each question has FOUR suggested answers: **A, B, C** and **D**. Decide on which answer is correct. Find the number of the question on the Answer Sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen.
For example, if **C** is your correct answer, mark **C** as shown below:
[A] [B] [**C**] [D]
8. Mark only one answer for each question. If you mark more than one answer, you will score a zero for that question. If you change your mind about an answer, erase the first mark carefully, then mark your new answer.
9. Avoid spending too much time on any one question. If you find a question difficult, move on to the next question. You can come back to this question later.
10. Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.
11. Texts, notes and pre-prepared materials of any kind are also **NOT** allowed in the examination room.
12. **At the end of the examination, the invigilator shall collect the answer sheet first and then the question booklet after. DO NOT ATTEMPT TO LEAVE THE EXAMINATION HALL WITH IT.**

Turn Over

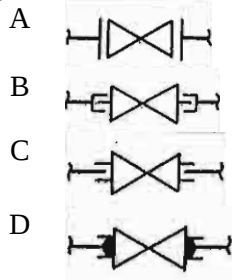
- line
D All of the above
-
1. This type of drawing shows two lines representing the pipe diameter:
A Single-line
B Double-line
C Standard piping
D Centerline piping
-
2. A circular arc is dimensioned in the view where you see its true shape by giving the value for its:
A Diameter
B Arc length
C Radius
D Chord length
-
3. In oblique projection, important shapes should be in this position relative to the viewing plane:
A Parallel
B Perpendicular
C Adjacent
D Rotate
-
4. This should show what changes were made, when, and by whom:
A Portable document
B Record of revisions
C Title form
D Revision drawings
-
5. This is how axonometric, oblique, and perspective sketches show objects:
A Orthographically
B Parallel
C Obliquely
D Pictorially
-
6. Chose the type of sketch that uses a miter line:
A A two-view multiview
B An isometric pictorial
C A three-view multiview
D A three-point perspective pictorial
-
7. _____ type of line has precedence over all other types of lines:
A A hidden line
B A center line
C A visible line
D none of the above
-
8. Select the correct statement(s) about the precedence of lines:
A A hidden line has precedence over a center line
B A center line has precedence over a visible line
C A visible line has precedence over a miter
-
9. The projection lines converge in a perspective sketch at:
A The ground line
B The vanishing point
C The horizon line
D The eye point
-
10. When you want to make the letters of a line of text narrower, you would set its:
A Font
B Scale
C Alignment
D Aspect
-
11. The designation of sheet of size 594 x 841 is:
A A₀
B A₁
C A₂
D A₃
-
12. _____ is the softest pencil
A 2B
B 1B
C HB
D H
-
13. Choose among the pencils below, the lightest one's :
A 2B
B 1B
C HB
D H
-
14. During the drawing operation, the two arms of the drafter remain at :
A 45°
B 90°
C 180°
D 270°
-
15. With the combination of T-square, the following angles can be drawn except :
A 15°
B 25°
C 45°
D 105°
-
16. one of the following is not used to fix drawing sheet on the board
A Drawing pins
B Adhesive tapes
C Clips
D Thread

17. The main ingredients of pencil leads are:
 A Graphite and clay
 B Lead and graphite
 C Clay and lead
 D None of these
18. One type of the lines below is part of a dimension :
 A Break lines
 B Phantom lines
 C Extension lines
 D Cutting lines
19. The types of lines particular to section drawings is :
 A Break lines
 B Phantom lines
 C Extension lines
 D Cutting lines
20. A drawing instrument set usually contains all of the following except :
 A Bow compass
 B Scale
 C Dividers
 D Protractor
21. In isometric drawings:
 A True measurements can be made only along or parallel to the isometric axes
 B Two axes are perpendicular
 C All faces are unequally distorted
 D None of the above
22. In an oblique sketch of a cube:
 A Both receding axes are at 30 degrees to the horizontal
 B The depth distances must be reduced
 C The frontal face appears in its true shape
 D All faces are equally distorted
23. In an oblique drawing, all of the following angles are commonly used for drawing the depth axis, except:
 A 30°
 B 45°
 C 60°
 D 90°
24. An L shaped face extruded into three dimensions contains _____ faces
 A 7
 B 8
 C 10
 D 6
25. In a perspective sketch, the projection lines converge to:
 A The vanishing point
 B The ground line
 C The horizon line
 D The eye point
26. A cutting plane normal to a face of a cube has to be _____ in order to cut an oblique face.
 A Rotated about one axis
 B Rotated about one axis and translated
 C Rotated about two axes
 D Rotated about two axes and translated
27. All of the following are variables involved in the use of image planes, except:
 A The object being viewed
 B The size of the object
 C The eye of the viewer
 D The image plane
28. The primary unit of measurement for engineering drawings and design in the plumbing industries is the:
 A Millimeter
 B Centimeter
 C Meter
 D Kilometer
29. Objects that are symmetric can be shown effectively using this type of section :
 A Quarter section
 B Half section
 C Full section
 D Symmetric section
30. In this type of section, one quarter of the object is removed :
 A Revolved section
 B Removed section
 C Quarter section
 D Half section
31. Select the top view of the pipe system shown below :

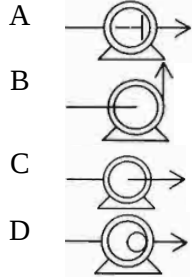


Turn Over

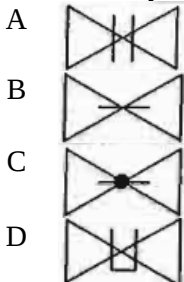
32. Choose among the symbols below the valve joined with flange



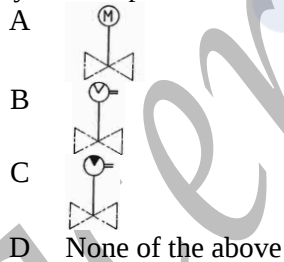
33. The symbol of centrifugal pump is :



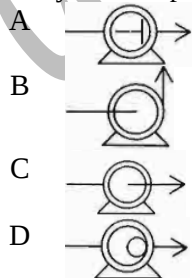
34. Indicate the symbol of the piston valve



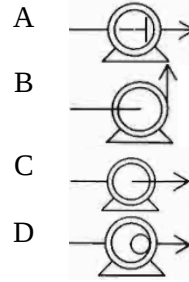
35. _____ represents the symbol of the hydraulics powered valve symbol



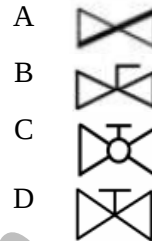
36. The symbol of piston pump is :



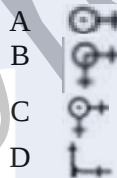
37. Indicate the axial flow pump symbol



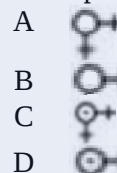
38. Select the butterfly valve symbol



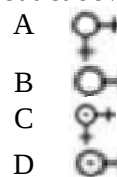
39. Identify the symbol of a side outlet elbow-outlet down



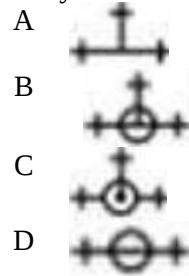
40. Indicate the symbol of a side outlet elbow-outlet up



41. Choose the symbol of a top outlet of elbow-outlet down



42. The symbol of tee outlet up is :



43. The coding color combustibles fluids is
A Brown
B Green
C Bleu
D Red

44. On a plumbing plan, flammables fluid and gasses are represented in _____color
A Red
B Orange
C Yellow
D Blue

45. The fire quenching fluids are on _____
A Brown
B Green
C Blue
D Red

46. Toxic or corrosive fluids are
A Brown
B Orange
C Blue
D Red

47. Compressed air color coding is :
A Brown
B Orange
C Blue
D Red

48. All types of water are on _____coding color
A Brown
B Green
C Blue
D Red

49. On PVC pipe, blue color is used for:
A Potable water
B Irrigation water
C Waste water
D Reclaimed water

50. Irrigation PVC pipe are referred by color
A Blue
B Green
C Purple
D white

NOW GO BACK AND CHECK YOUR WORK