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Total No. of Pages : 02

Total No. of Questions : 08

**B.Arch. (2019 PIT) (Sem.-1)**  
**ARCHITECTURAL DRAWING-I**  
**Subject Code : UC/BARCH-102-19**  
**M.Code : 77234**

Time : 2 Hrs.

Max. Marks : 20

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE question(s), each question carries 4 marks.

- Q1. Draft the word "ORTHOGRAPHIC DRG" in Block letters 6 cms High.
- Q2. Draw a regular octagon of side 10 meters on a scale of 1:200 and 1:100.
- Q3. A line AB, 65 mm long has its end A 20 mm above the H.P. and 25 mm in front of the V.P. The end B is 40 mm above the H.P. and 65 mm in front of the V.P. Draw the projections of AB and show its inclinations with the H.P. and the V.P.
- Q4. Draw the projections of a regular hexagon of 25 mm side, having one of its sides in the H.P. and inclined at  $60^\circ$  to the V.P., and its surface making an angle of  $45^\circ$  with the H.P.
- Q5. A square prism, base 40 mm side, axis 80 mm long, has its base on the H.P. and its faces equally inclined to the V.P. It is cut by a plane, perpendicular to the V.P., inclined at  $60^\circ$  to the H.P. and passing through a point on the axis, 55 mm above the H.P. Draw its front view, sectional top view and true shape of the section.
- Q6. A cone, base 75 mm diameter and axis 80 mm long is resting on its base on the H.P. It is cut by a section plane perpendicular to the V.P., and inclined at  $45^\circ$  to the H.P. and cutting the axis at a point 35 mm from the apex. Draw its front view, sectional top view, sectional side view and true shape of the section.
- Q7. A vertical square prism, base 50 mm side, is completely penetrated by a horizontal square prism, base 35 mm side, so that their axes intersect. The axis of the horizontal prism is parallel to the V.P., while the faces of the two prisms are equally inclined to the V.P. Draw the projections of the solids, showing lines of intersection. (Assume suitable lengths for the prisms.)
- Q8. Draw the development of the surface of a cone base diameter 80 mm and vertical height 100 mm.

**Note:** Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.

Student found sharing the question paper(s)/answer sheet on digital media or with any other person or any organization/institution shall also be treated under UMC.

Any student found making any change/addition/modification in contents of scanned copy of answer sheet and original answer sheet, shall be covered under UMC provisions.

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