No. of Printed Pages : 03 **Roll No. .....**

2013

B. Arch. EXAMINATION, May 2018

(Second Semester)

(Old Scheme) (Re-appear Only)

(Arch.)

AR108G

ARCHITECTURAL DRAWING II

Time : 3 *Hours*] [*Maximum Marks :* 50

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Q. No. **1** is compulsory. Attempt any *two* questions from the rest.

1. (a) Draw the isometric views of a tetrahedron, triangular pyramid and a cone. Choose your own dimensions for each solid. **5**

(b) Mention the position of the cutting lane in case of a cylinder, if the true shape of section is : **5**

(i) Circle

(ii) Ellipse

(iii) Rectangle.

(c) What do you mean by development of surface of a solid ? What are the uses of development of surface of solids in architecture ? **10**

2. A triangular pyramid of bare 40 mm side and length of axis 60 mm is lying in space in such way that its axis is inclined at 60º to the H.P. and 30º to the V.P. Draw its three views, if the apex is towards the observes and corner of base towards the H.P. **15**

3. A cylinders with a diameters of 60 mm and an axis length of 90 mm stands on its base on the H.P. An auxiliary plane inclined at 65º to the H.P. and interseeking the axis of the cylinder at a point 32 mm above the base cuts the cylinder. Draw the front view sectional top view and an auxiliary view showing the true shape of the section. **15**

4. A hexgonal prism of side of base 20 mm and length of axis 50 mm is kept on the ground on its base such that two opposite sides of the base are parallel to V.P. It is cut by an auxiliary plane inclined at 45º to the H.P. and passing through one of the top corners of the prism. Draw the development of cut prism. **15**

5. A hexagonal pyramid with 20 mm base edge and 75 mm long axis, stands on its base on the ground. A cylindrical disc of diameter 60 mm and thickness 20 mm is pierced by the pyramid with their axis coincident and the disc is placed centerally with respect to the axis of the pyramid. Draw the isometric view of combined solids. **15**