MANIPAL UNIVERSITY

SECOND SEMESTER B. DES. (ID)/B.A. (ID) DEGREE EXAMINATION – MAY 2017
SUBJECT: BID 104 – GRAPHICS FOR INTERIORS – 3 DIMENSION

Thursday, May 04, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

- ✍ **Question no-1 is compulsory.**
- ✍ **Answer any THREE from remaining four questions.**

1. Draw one point perspective view of Kitchen. As shown in the fig (Q1)
   P.P to observer is 11cm, ground line to horizon line at eyelevel i,e 4.5cm. Draw the view.
   SCALE 1:50. ALL THE DIMENSIONS ARE IN cm
   (Do not erase the construction lines, Assume suitable data).

   (20 marks)

2. Draw the development of the cylinder of radius 50 mm and with 65mm height.

   (3+3+4 = 10 marks)

3. A cylinder of 50mm diameter and 65mm height is cut by a section plane perpendicular to VP and inclined to 45 degree to the axis and passes through the left end of the horizontal diameter of the top face. Draw the development of the lateral surface of the truncated cylinder.

   (2+2+6 = 10 marks)

4. Draft the plan, section, 2 elevations and isometric view of the "**sofa only**" from the given fig (Q4).

   (2+2+2+4 = 10 marks)

5. A cube of 30 mm resting on HP on one of its faces is 15 mm in front of VP. A section plane parallel to VP, 35 mm in front of it and perpendicular to HP is cutting the cube. Draw the section.

   (2+2+2+4 = 10 marks)

PICTURE PLANE

PLAN

ELEVATION A-A'

FIG (Q4)

64cm (25.2")
46cm (18.1")
16cm (6.3")
18cm (7.1")
12cm (4.7")
40cm (15.7")
40cm (15.7")
63cm (24.8")
45cm (17.2")
42cm (16.5")
30cm (11.8")
12cm (4.7")

154cm (60.6")
64cm (25.2")
68cm (26.8")
100cm (39.4")
82cm (32.3")
267cm (105.1")
75cm (29.5")
167cm (65.7")
69cm (27.2")
86cm (33.9")
16cm (6.3")

95cm (37.4")
70cm (27.6")