

FEDERAL UNIVERSITY OF TECHNOLOGY-OWERRI
SCHOOL OF ENVIRONMENTAL SCIENCES
DEPARTMENT OF ARCHITECTURE
RAIN SEMESTER EXAM 2013-2014

ARC 306: DESCRIPTIVE GEOMETRY

TIME :2Hrs

INSTRUCTION- Answer all three questions below.

- 1) From the given ORTHOGRAPHIC REPRESENTATION Fig. 1,
Give 4 objects that can provide exactly the same projected view

 - 2) The steps to follow in laying out all drawings throughout this exercise are:
Step 1 Study the problem carefully.
Step 2 Choose the view with the most detail as the front view.
Step 3 Position the front view so that there will be the least number
of hidden lines in the other view.
Step 4 Make a sketch of all required views.
Step 5 Centre the required views within the work area with a 1-inch (25mm) space between each view.
Step 6 Use light projection lines. Do not erase them.
Step 7 Lightly complete all views
Step 8 Check to see that all views are centered within the work area .
Step 9 Check to see that there is a 1-inch (25mm) space between all views.
Step 10 Carefully check all dimensions in all views.
Step 11 Darken in all views using correct line thickness.
Step 12 Recheck all work, and, if correct, neatly fill out the title block using light guidelines and neat lettering.
- Fig 2-8) Construct a 3-view drawing of each object, using the listed steps.
- 3) Explain the terms :
Point
Line
Plane
Volume

ORTHOGRAPHIC REPRESENTATION Fig. 1,

