

Student Name : _____

Student ID : _____

Birla Institute of Technology and Science Pilani-K. K. Birla Goa Campus

Second Semester 2022-2023

BITS F110 Engineering Graphics

Mid Semester Examination (Closed Book)

Batch 1

DATE: 30/04/2023

Time: 2:30 PM to 3:40 PM

Maximum Marks: 60

Instructions:

- Save the file and rename with your 12 digit Student ID number.
- All the drawings should be made in the given single file alone, within the space provided for each question. Sufficient space is provided to draw the views.
- Save your drawing after every 5 minutes. Loss of data will not be compensated
- Construction lines should be trimmed neatly for the entire drawings
- General neatness of drawings carries weightage 2% from each question
- **Colour code other than use of 'Black' for final drawings:**
 - 'Red' for hidden lines
- If required change snap to 0.125. **Do not change the grid spacing**
- **Unless and until specified, the hole or slot should be taken as a through**
- Do not edit layers in the drawing sheet

Q. 1 Draw the orthographic view for the isometric drawing (Q2) given on the question plate using IIIrd angle method of projections. [20]

1. FRONT VIEW (looking in the direction of arrow marked)
2. TOP VIEW
3. Visible SIDE VIEW

Note: *Views must be properly oriented and aligned.
Unless it is mentioned assume symmetry of the object*

Q. 2 Draw the orthographic view for the isometric drawing (Q2) given on the question plate using IIIrd angle method of projections. [20]

4. FRONT VIEW (looking in the direction of arrow marked)
5. TOP VIEW
6. Visible SIDE VIEW

Note: *Views must be properly oriented and aligned.
Unless it is mentioned assume symmetry of the object*

Q. 3 Draw the isometric view for the orthographic drawing (Q 1) given on the question plate. [20]

Note: *Object assumed to be placed in IIIrd quadrant.
Draw only visible lines.*

***** END *****