

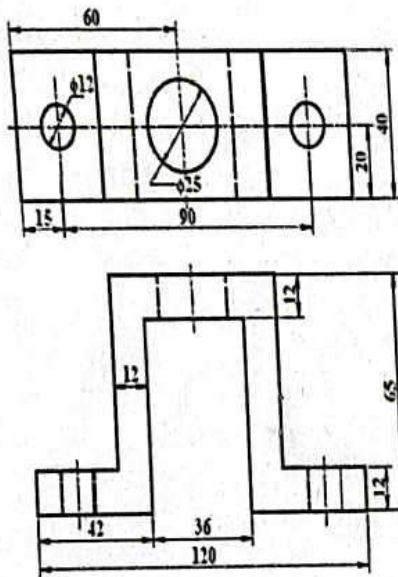
Mid-West University  
**Examinations Management Office**  
 End-Semester Examinations -2080

Bachelor level/ B.E. Hydropower/ II Semester  
 Time: 4 hours  
 Subject: Engineering Drawing-II (ME422/ME103)

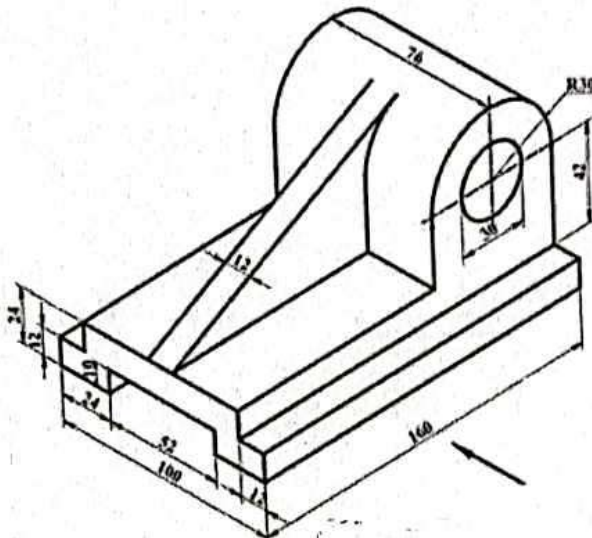
Full Marks: 50  
 Pass Marks: 25

- Attempt all the questions
- Figures in the margin indicate full marks.
- Assume suitable values, with a stipulation, if necessary.
- Candidates are required to answer the questions in their own words as far as possible.

1. Draw the isometric drawings from the given orthographic views in **Figure1** [7]

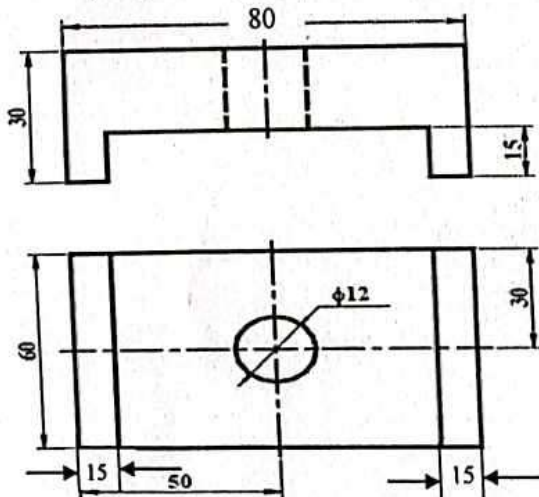


**Figure1**

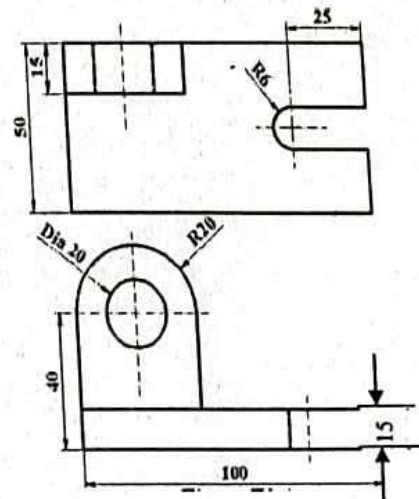


**Figure2**

2. Draw Sectional view from the front, the view from above and the view from the left of figure shown in the figure. [7]
3. Draw the perspective projection from the given orthographic views in **Figure3**. [5]



**Figure3**



**Figure4**

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- Technical drawing of a mechanical part, likely a valve or fitting, showing dimensions and labels. The drawing includes a central vertical section and two angled sections (1 and 2) forming a base. Key dimensions and features are labeled:
- Top Section:**
    - Outer diameter:  $\phi 16$
    - Inner diameter:  $\phi 16$
    - Height: 10
    - Radius:  $R2$
  - Middle Section:**
    - Outer diameter:  $\phi 8$
    - Inner diameter:  $\phi 10$
    - Height: 45
    - Radius:  $R2$
  - Base Section:**
    - Outer diameter:  $\phi 25$
    - Inner diameter:  $\phi 18$
    - Height: 13
    - Radius:  $R2$
  - Angled Sections (1 and 2):**
    - Angle:  $35^\circ$
    - Height: 38
    - Radius:  $R3$
  - Bottom Section:**
    - Outer diameter:  $\phi 60$
    - Inner diameter:  $\phi 66$
    - Angle:  $60^\circ$
    - Radius:  $R3$

## The End