



UNIVERSITY OF RUHUNA

Faculty of Engineering

End-Semester 3 Examination in Engineering: February 2023

Module Number: MN3205

Module Name: Marine Engineering Drawing

[Four Hours]

Instructions:

1. Answer **ALL** questions.
2. This question paper has **one** question on **two** pages.
3. Maximum marks allocated for each section of the question have been indicated next to the corresponding section.
4. The scale used must ensure uniform distribution and coverage of the drawing in the given sheet.
5. The drawing should be in accordance with B.S.308:1993 and hidden detail should be omitted.
6. Neatness in the drawing will be taken into consideration in when marking.

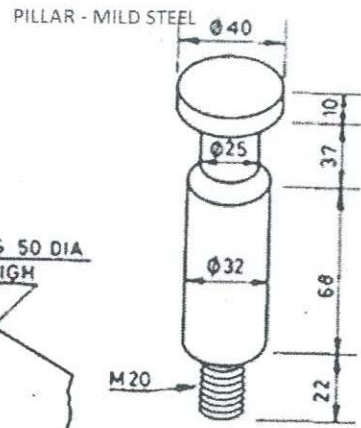
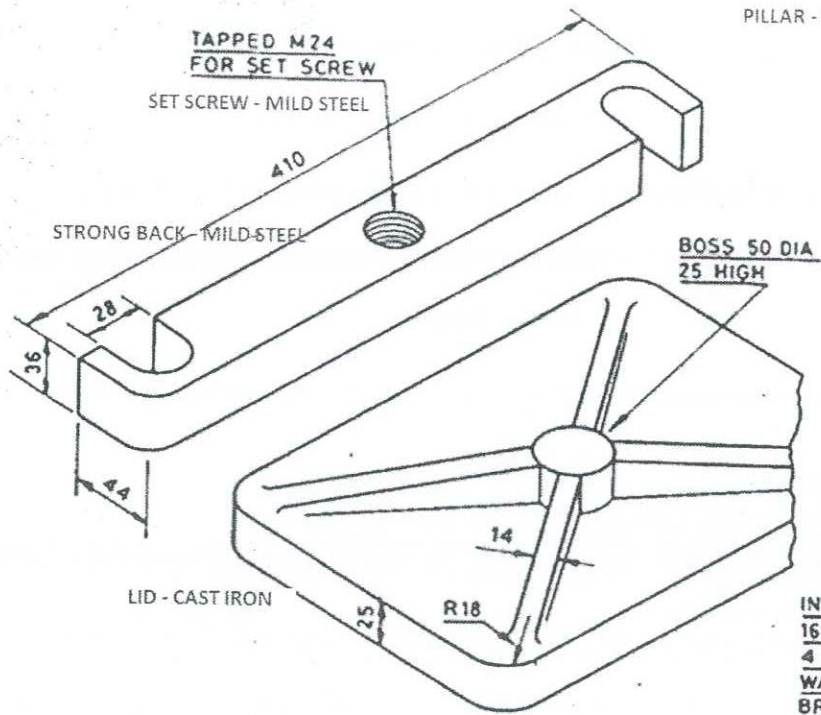
Figure shows details of a **Bilge Suction Strainer**

(a) Draw the following views of the assembled Bilge Suction Strainer to **Half Full Size in First Angle Projection**.

- i. Sectional Elevation through pillars showing all parts assembled. (30 marks)
- ii. End Elevation. (12 marks)

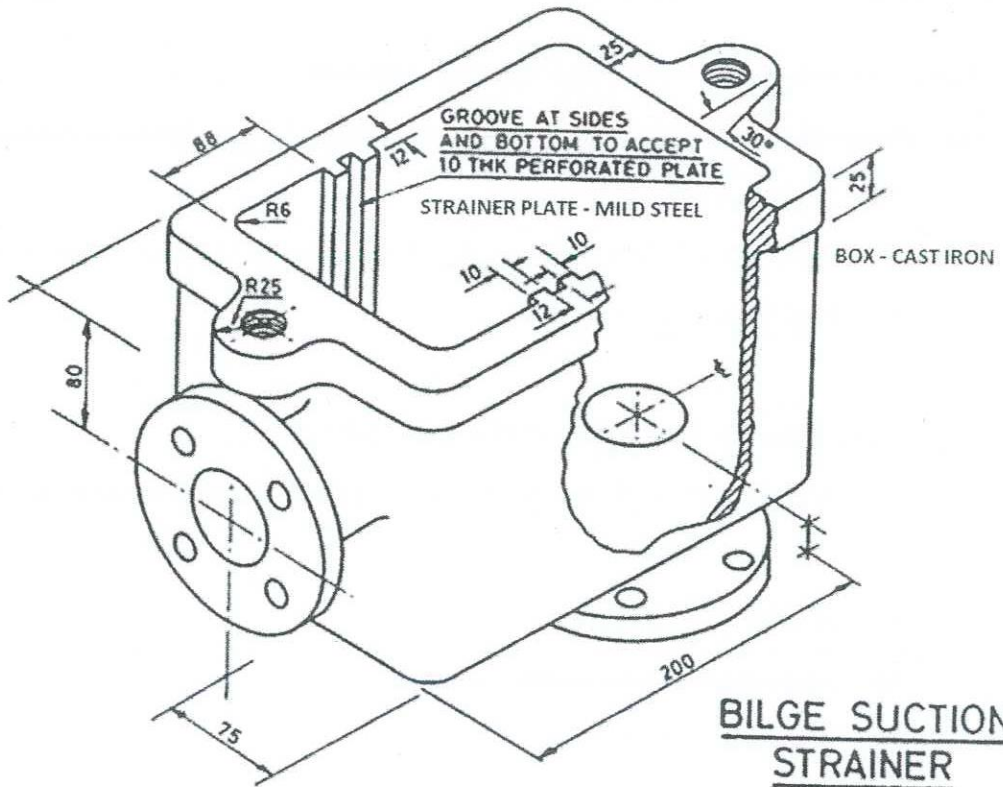
(b) Complete the drawing by adding the following,

- i. A parts list, with the parts clearly identified on the assembled drawing. (03 Marks)
- ii. A title. (01 Mark)
- iii. The projection symbol. (01 Mark)
- iv. Six main dimensions. (01 Mark)
- v. Subtitles. (01 Mark)
- vi. Scale and spacing. (01 Mark)



INLET AND OUTLET FLANGES
162 O/D X 62 BORE X 18 THK
4 HOLES 15 DIA 125 PCD
WALLS OF BOX AND
BRANCHES 14 THK
OUTLET FACE 100 FROM WALL
INLET FACE 55 FROM WALL

INTERNAL DIMENSIONS OF BOX
266 X 188 X 175 DEEP



BILGE SUCTION
STRAINER