road showing front view, top view and right side view in first angle projection.

Q.6 Fig no.2 given below shows the detail of a screw jack. Draw the following first angle projections method:

i) Sectional front view ii) Side view

iii) Top view

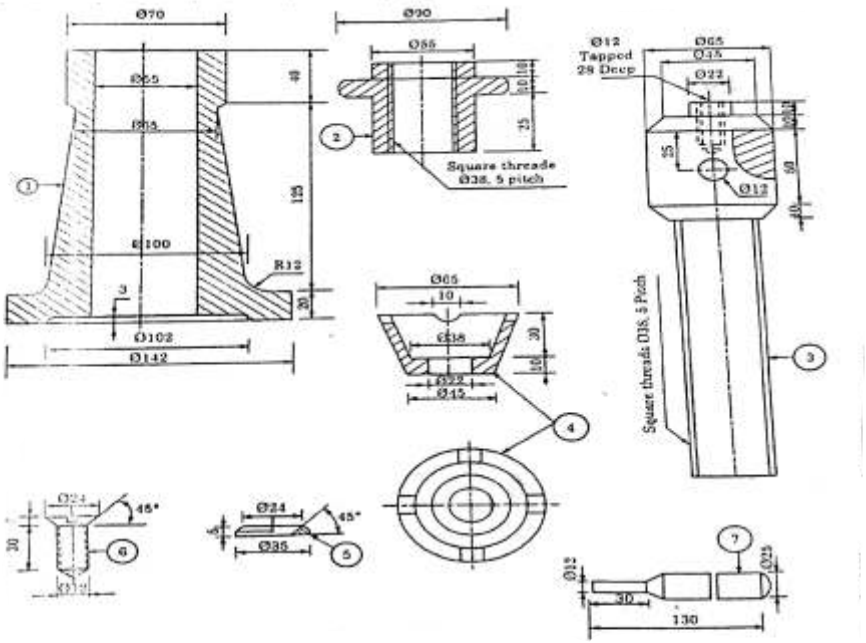

Figure No.2

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Roll No. .....

3rd Sem. / Mech. Engg. (MSIL)

Subject : Machine Drawing

Time : 3 Hrs. M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 10 parts out of twelve parts. (10x2=20)

Q.1 i) Define bilateral limit.

ii) What is clearance fit?

iii) What is hole basis system?

iv) Name parts of Oldham's coupling.

v) Define foot step bearing.

vi) What is material of baseplate of tool holder in lathe machine?

vii) Define surface finish.

viii) Write use of machine vice.

ix) Name different parts of a pulley.

x) Name parts of piston.

xi) What is use of screw jack?

xii) Describe I.C. engine.

SECTION-B

Note: Attempt any four questions. (4x20=80)

Q.2 Draw a proportional free hand sketch of foot step bearing.

Q.3 Details of plummer block is shown in Fig.1 Assemble all these parts and draw following view:

i) Front elevation right half in section

ii) Side view left half in section

iii) Top view

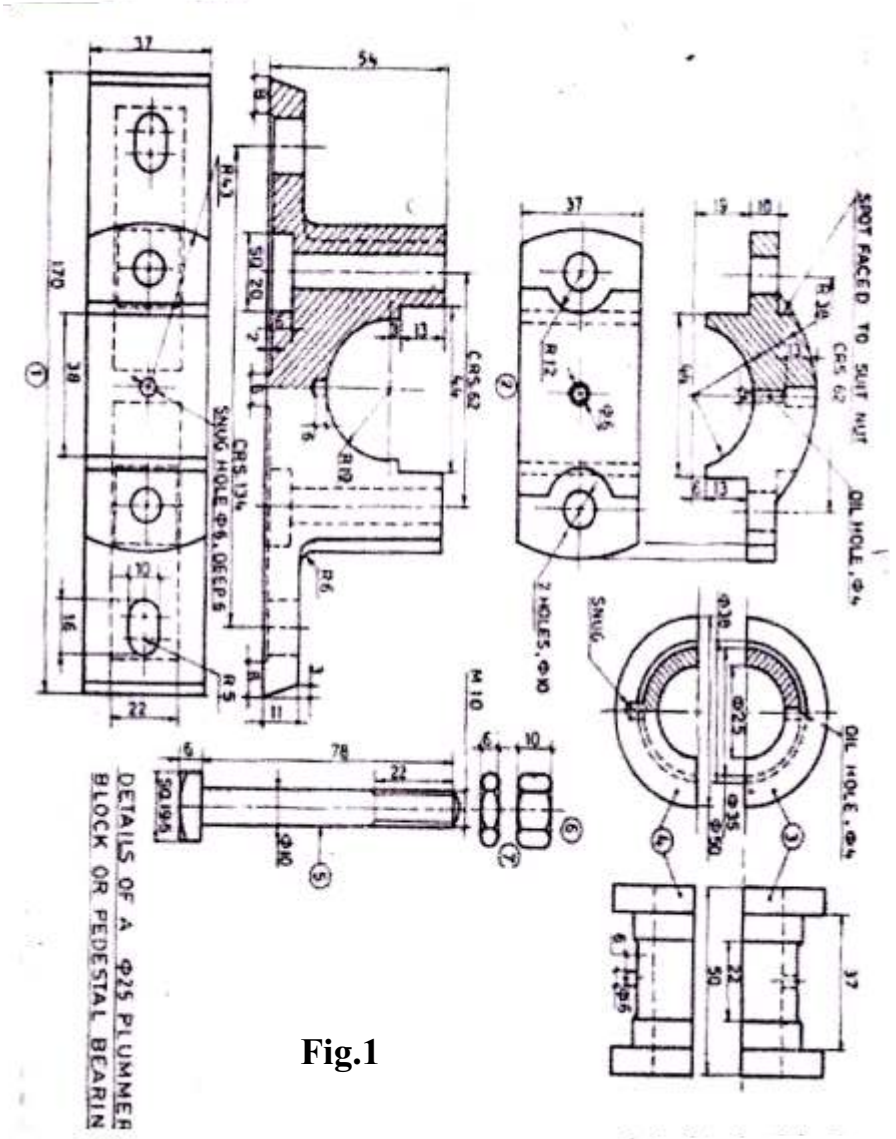

Fig.1

Q.4 Draw a neat sketch of fast and loose pulley in a free hand manner, showing any two views.

Q.5 Draw free hand assembly drawing of connecting