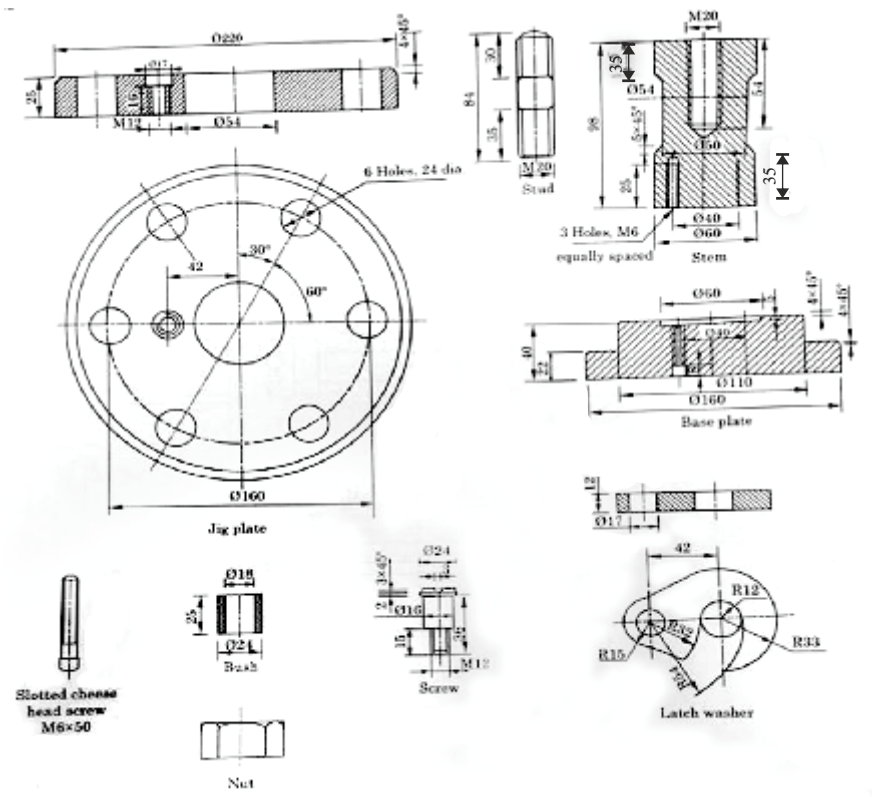
Q.17 Figure No.1 shows the details drawing of a Drilling Jig. Assemble the parts and draw the assembled sectional front view of assembly.

(Assume any missing dimension)



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MSIL-121734/031734

3rd Sem. / Mechanical Engineering (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 Define geometrical deviation.

Q.2 Explain the meaning of Ø 30 H7/g6.

Q.3 Define interference fit.

Q.4 Give two application of Roller bearing.

Q.5 How many forks are there is universal coupling?

Q.6 Write the function of fast and loose pulley.

Q.7 Draw the symbol of Ball valve.

Q.8 Write the material of jig plate.

Q.9 Define module.

Q.10 What do you mean by backlash of a gear.

Q.11 Which type of threads are used in screw jack.

Q.12 Name any four drawing equipment used in a modern drawing office.

SECTION-B

Note: Long answer type questions. Attempt any four questions out of five questions (20x4=80)

Q.13 Explain any ten terms related to dimensional tolerances with help of a neat sketch.

Q.14 Draw the free hand proportioned sketch of Oldham's coupling that join two shafts of 50 mm diameter and having axes parallel to each other 15 mm apart.

Q.15 Define term pulley & draw free hand proportioned sketch of a Fast and loose pulley by showing their parts name.

Q.16 Figure No. 2 shows the details drawing of a foot step bearing. Assemble the parts and draw the following views. (Assume any missing dimension)

i) Sectional front elevation

ii) Top view