



Answer the following questions

Question 1 (30 marks)

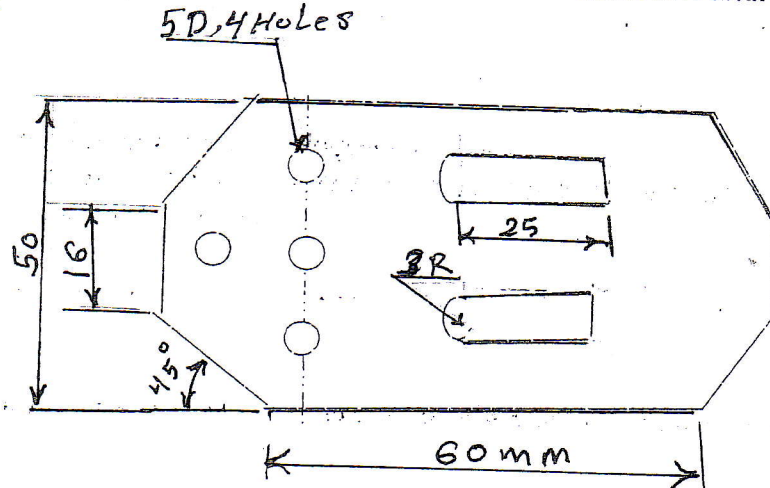
- (a) Describe the various step to be followed for manufacture of a solid die block (10 marks)
- (b) In shearing assemblies, why must the punch holder be in the centroid of the blanking punch? (10 Marks)
- (c) What is the function of stripper? When should a spring-loaded stripper be used? (10 Marks)

Question 2 (30marks)

- (a) Differentiate between a compound die, a combination die and progressive die
- (b) what are the various types of strippers? Explain their function with the help of suitable sketches?
- (c) what are the advantages of screw presses and it's typical fields of application

Question 3 (40marks)

The shown figure gives the blanked dimensions of a linkage case cover of cold rolled steel size 6 mm thickness have shear stress 3600Kg/cm². design the progressive die for this part



With our best wishes

This exam measures the following ILOs:

Question Number	Q1-a	Q2-c				Q2-d	Q3-a			Q3-b			
Skills													
	Knowledge & Understanding Skills					Intellectual Skills				Professional Skills			