



**DIPLOMA IN Mechanical Engineering
(Tool & Die)**

CENTRALIZED QUESTION BANK

4020640 - Solid Modeling Practical

**DIRECTORATE OF TECHNICAL
EDUCATION GOVERNMENT OF
TAMILNADU**

DIPLOMA END SEMESTER / YEAR EXAMINATION – 2023

Course : Mechanical Engineering (Tool & Die)

Subject : Solid Modeling Practical

QP Code : 4020640

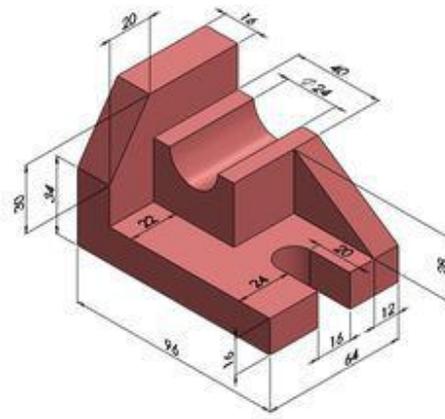
Time : 3 Hours Date :

Session:

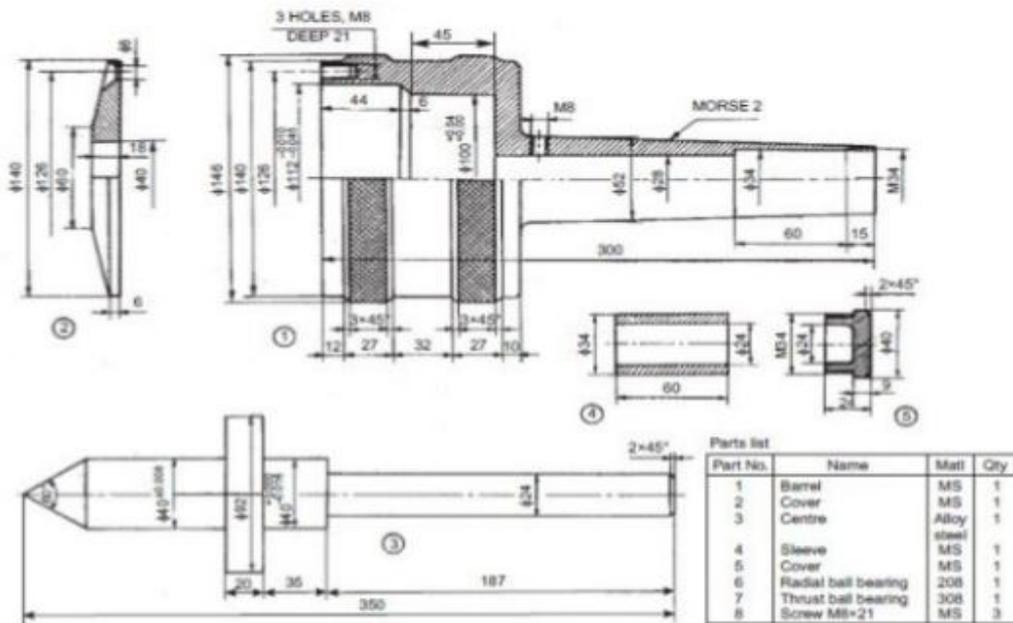
Max Marks: 100

Answer the Following Question

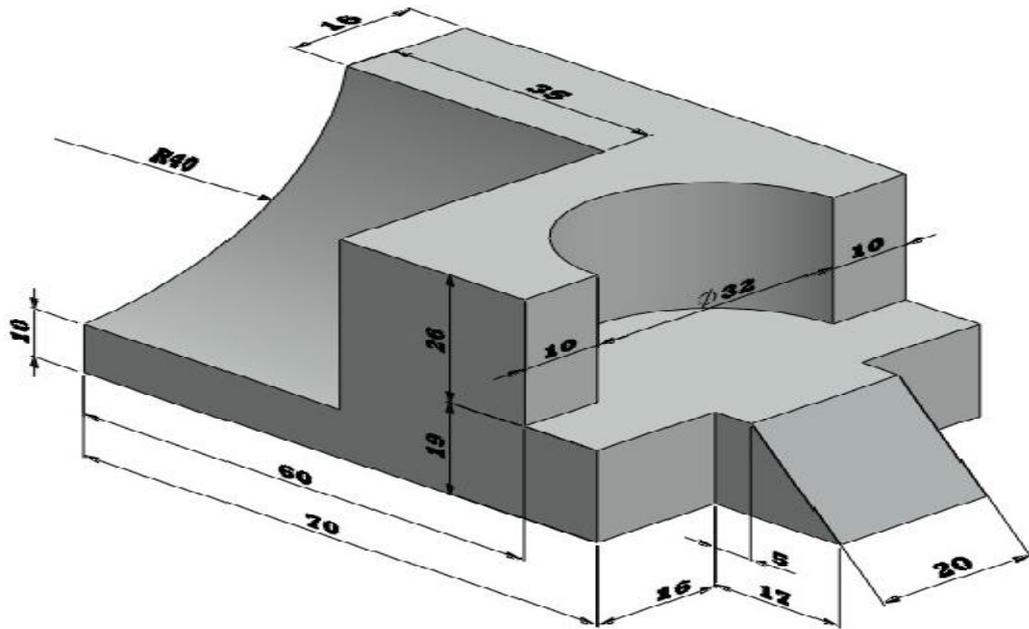
1. (a) Draw the given 3D drawing using 3D modelling commands.



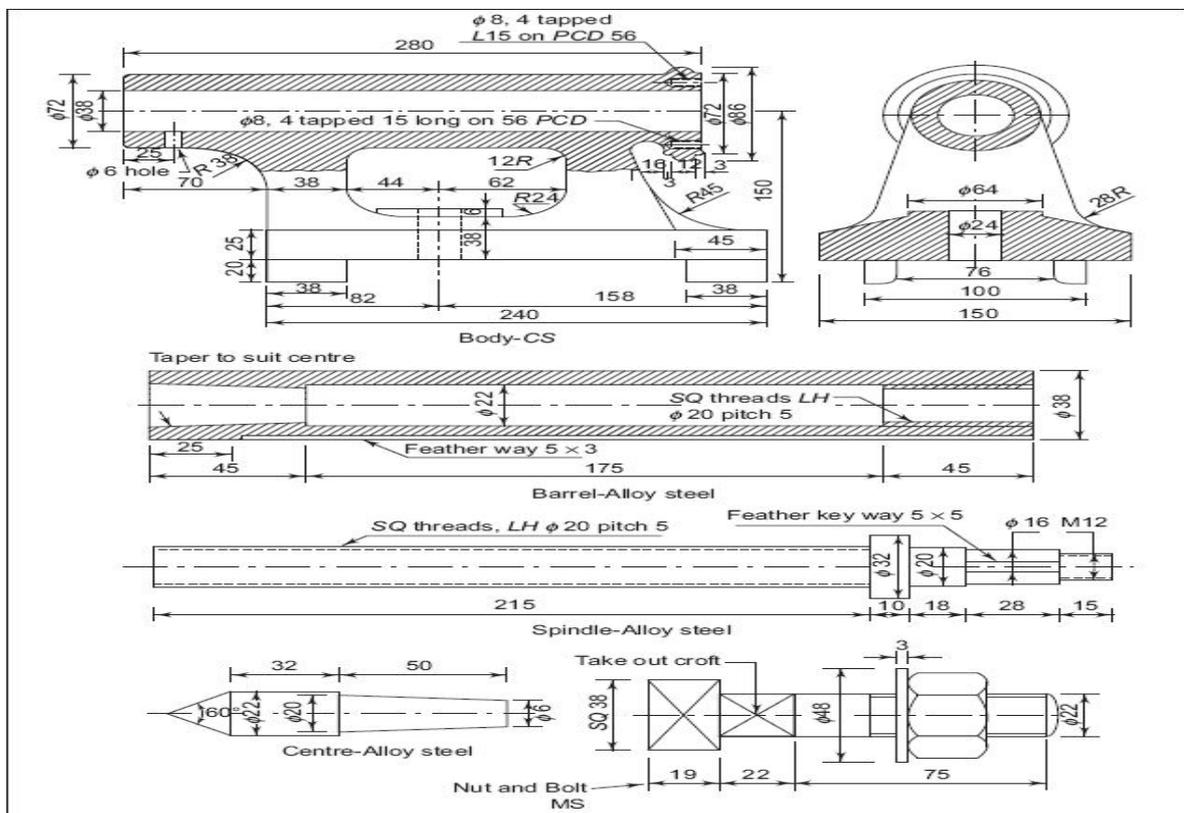
- (b) Draw the part models and assemble the components using 3D modelling.



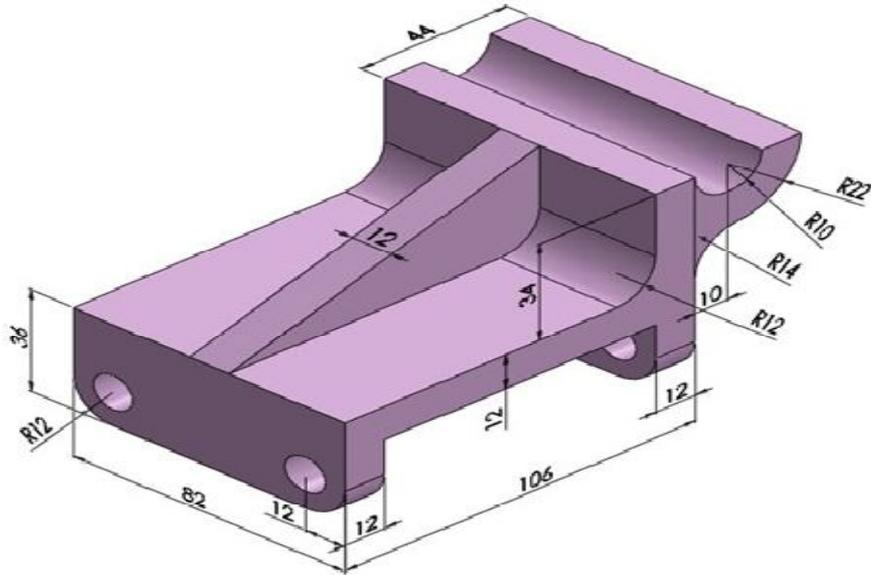
2. (a) Draw the given 3D drawing using 3D modelling commands.



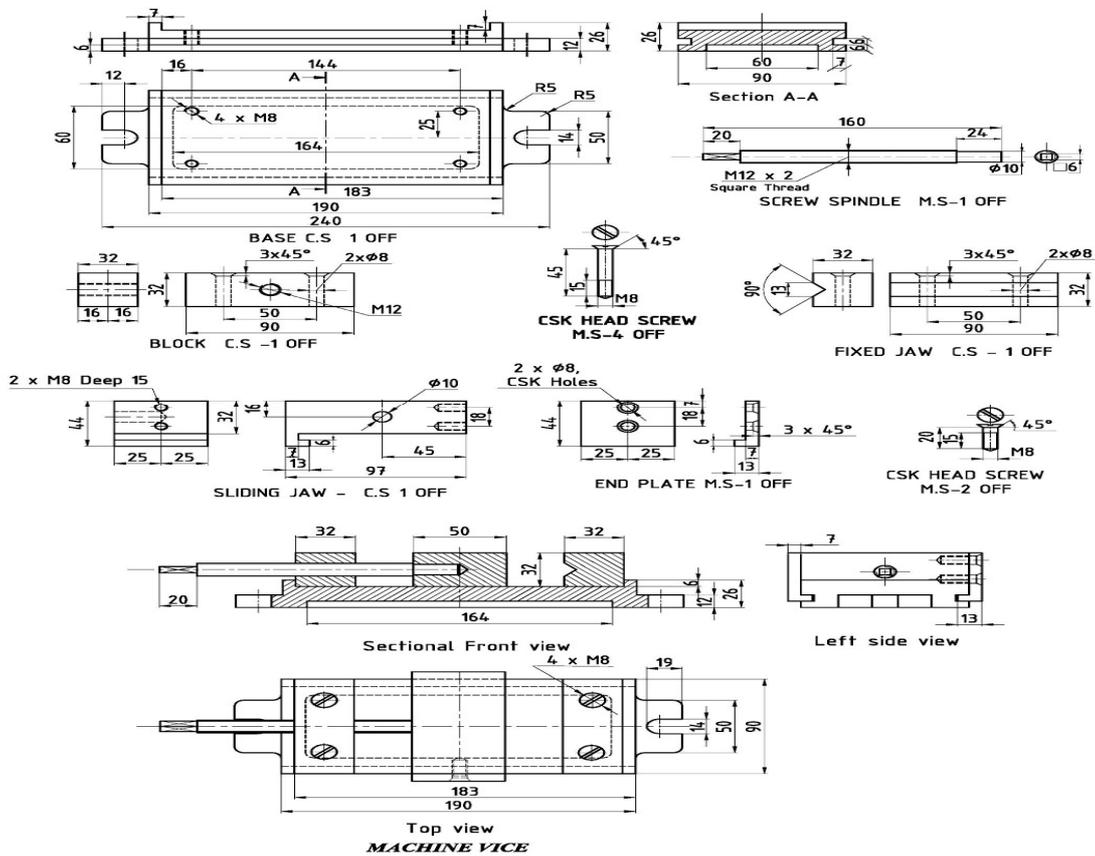
(b) Draw the part models and assemble the components using 3D modelling.



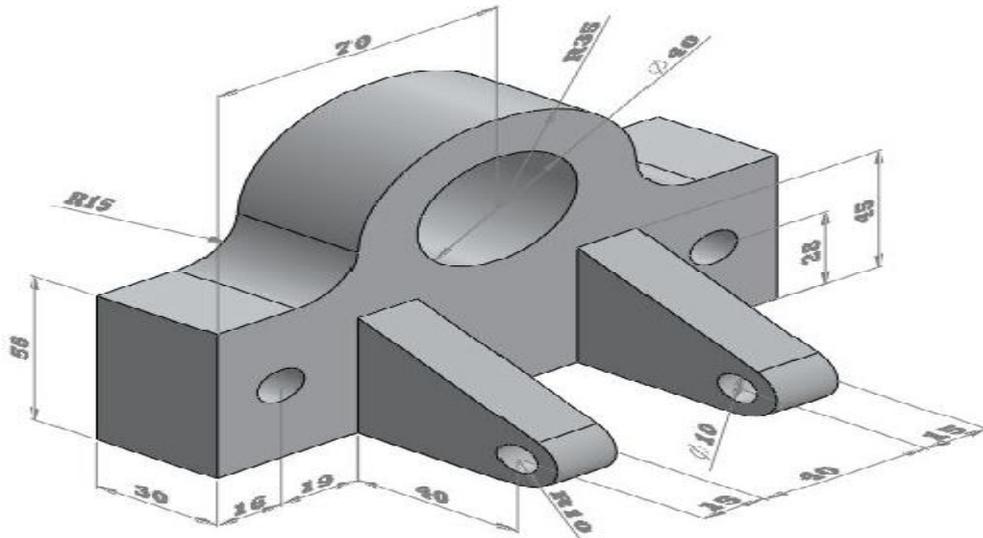
3. (a) Draw the given 3D drawing using 3D modelling commands.



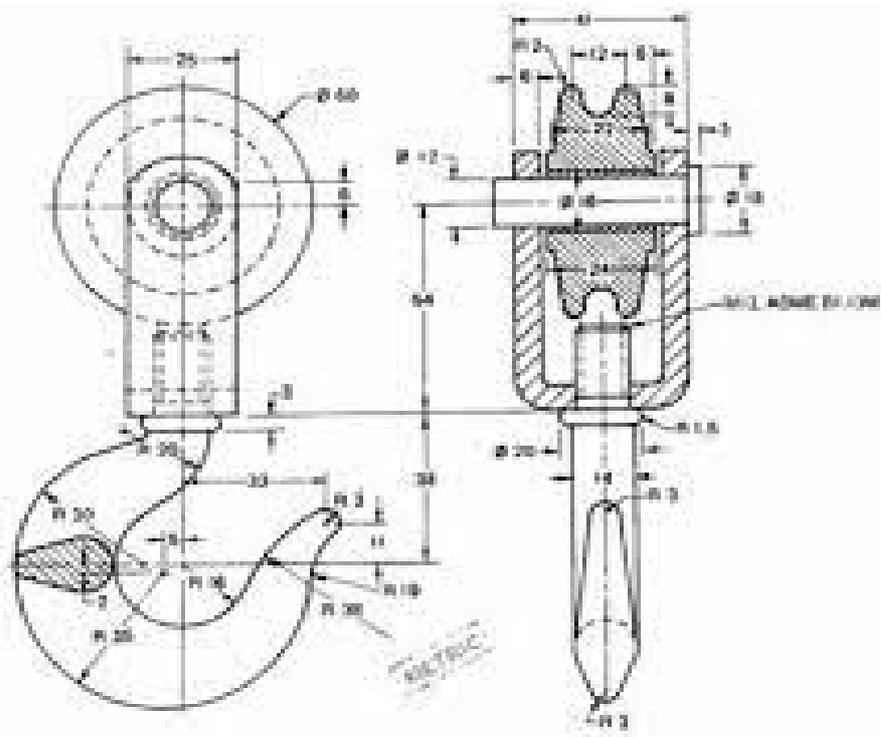
(b) Draw the part models and assemble the components using 3D modelling.



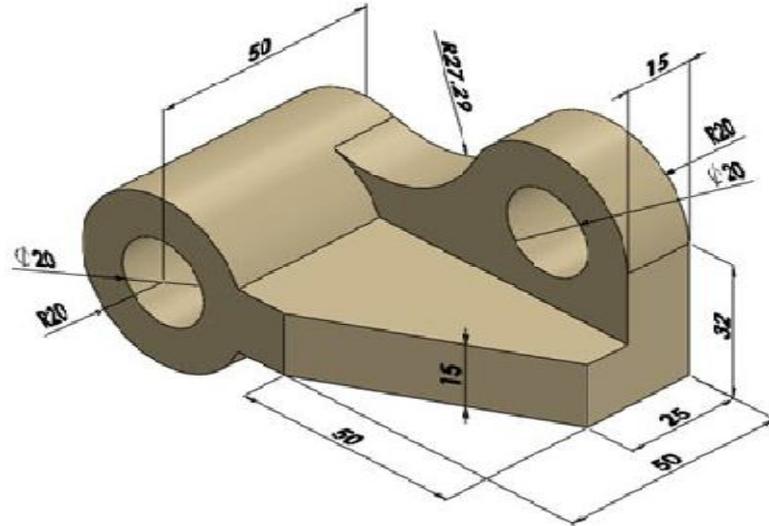
4. (a) Draw the given 3D drawing using 3D modelling commands.



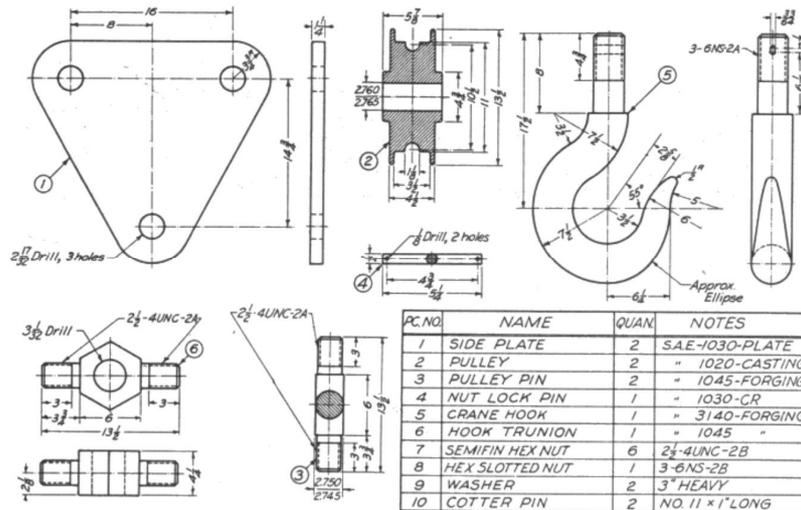
- (b) Draw the part models and assemble the components using 3D modelling.



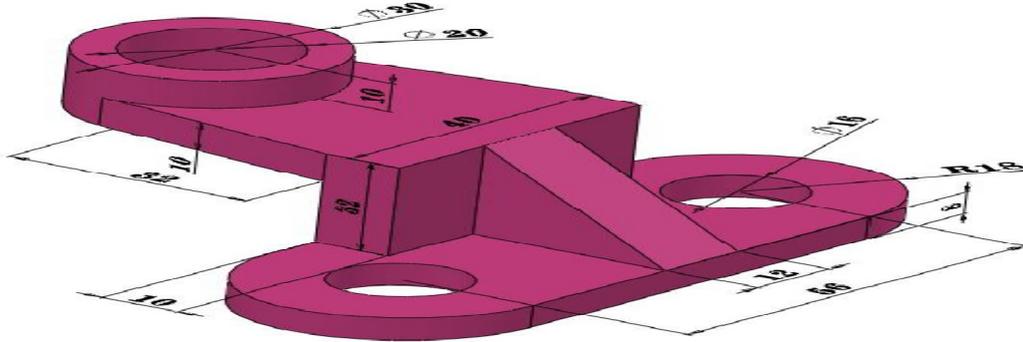
5. (a) Draw the given 3D drawing using 3D modelling commands.



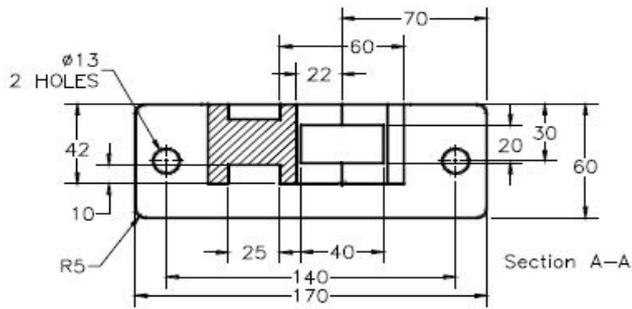
(b) Draw the part models and assemble the components using 3D modelling.



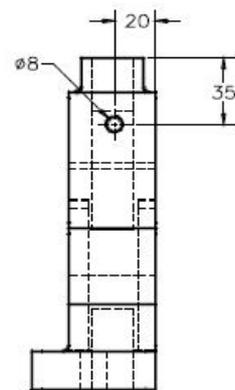
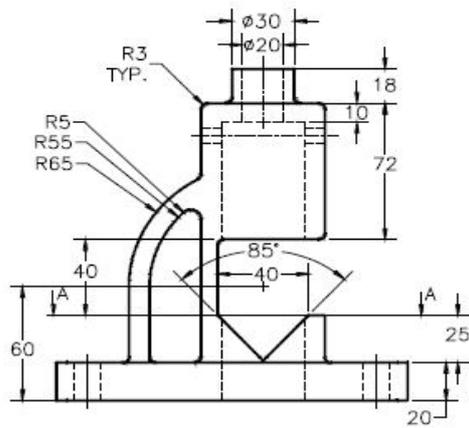
6. (a) Draw the given 3D drawing using 3D modelling commands.



(b) Draw the part models and assemble the components using 3D modelling.



Fillet radius= 3mm, unless specified



DETAILED ALLOCATION OF MARKS

Sl. No. Performance Indicator Marks

Part A – 3D Component Modelling

1 Sketching	-15
2 3D Modelling	-15

Part B – Assemble Drawing Modelling

3 Sketching / Part modelling	-20
4 Assembly	-30
5 Solid Model / Views	-10
6 Viva voce	-10
Total	100