



DIPLOMA IN MECHANICAL ENGINEERING

CENTRALIZED QUESTION BANK

4020640 - Solid Modelling Practical

**DIRECTORATE OF TECHNICAL
EDUCATION GOVERNMENT OF
TAMILNADU**

DIPLOMA END SEMESTER / YEAR EXAMINATION – 2023

Course : Mechanical Engineering

Subject : Solid Modelling Practical

QP Code : 4020640

Time : 3 Hours Date :

Session:

Max Marks: 100

Answer the Following Question

1. a) Draw the given 3D drawing of Model 2 using 3D modelling commands. (30 Marks)
 b) Draw the part models of Petrol Engine connecting Rod. Create an assembly drawing of the components and set the drawing views for Petrol Engine Connecting Rod. (60 Marks)
2. a) Draw the given 3D drawing of Model 4 using 3D modelling commands. (30 Marks)
 b) Draw the part models of Pipe Vice. Create an assembly drawing of the components and set the drawing views for Pipe Vice. (60 Marks)
3. a) Draw the given 3D drawing of Model 6 using 3D modelling commands. (30 Marks)
 b) Draw the part models of Revolving Centre. Create an assembly drawing of the components and set the drawing views for Revolving Centre. (60 Marks)
4. a) Draw the given 3D drawing of Model 1 using 3D modelling commands. (30 Marks)
 b) Draw the part models of Tail Stock. Create an assembly drawing of the components and set the drawing views for Tail Stock. (60 Marks)
5. a) Draw the given 3D drawing of Model 3 using 3D modelling commands. (30 Marks)
 b) Draw the part models of Crane Hook. Create an assembly drawing of the components and set the drawing views for Crane Hook. (60 Marks)
6. a) Draw the given 3D drawing of Model 5 using 3D modelling commands. (30 Marks)
 b) Draw the part models of Machine Vice. Create an assembly drawing of the components and set the drawing views for Machine Vice. (60 Marks)