

ii. About Drafting tools and its advantages over conventional drafting:

7. Procedure (for solving question #)::

7.1 Question outline :

7.2 Object :

7.3 Conditions (if any) :

Fig. Free hand sketch of the solution to question #

7.4 Drawing Procedure:

Step 1.

[illegible]

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[illegible]

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ii. Projection of points and lines:

Step 1.

[illegible]

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ii. Projection of planes inclined to both the planes :

Step 1.

8. Commands used:

S.N.	Command	Use

9. Result:

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Signature		Marks	

1. Exercise : 5

2. Date:

3. Title : Projection of solids.

4. Aim : To draw the orthographic multi-view projection of solid prisms/ cylinders.
pyramids/ cones.

5. Software used:

6. Introduction: Prisms and Cylinders:

6.1 Terminology (pyramid with sketch):

6.2 Real time example - Picture

Fig.

Fig.

7. Procedure (for solving question #)::

7.1 Question outline :

7.2 Object :

7.3 Resting on Conditions :

7.4 Other resting condition (if any) :

7.5 Other condition (if any) :

Fig. Free hand sketch of the solution to question #

Step 1.

[illegible]

8. Commands used:

[illegible]

9. Result:

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1. Exercise : 6

2. Date:

3. Title : Combinations of solids: CSG, and advanced solid modelling.

4. Aim : To model simple combination of solids by Constructive Solid Geometry (CSG), and some advanced models using sweep, loft, shell solid models and obtain their projections.

5. Software used:

6. Introduction: CSG, Advanced solid modelling

6.2 CSG sketch):

6.2 Real time example - Picture

Fig.

Fig.

7. Procedure (for solving question #):

7.1 Question outline :

7.2 Object :

7.3 Resting on Conditions :

7.4 Other resting condition (if any) :

7.5 Other condition (if any) :

Fig. Free hand sketch of the solution to question #

Step 1.

[illegible]

8. Commands used:

[illegible]

9. Result:

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1. Exercise : 7

2. Date:

3. Title : Section of solids.

4. Aim : To draw the orthographic multi-view projection of sectioned solid like prisms/ cylinders and pyramids/ cones.

5. Software used:

6. Introduction: Section of solids:

6.3 Terminology (with sketch):

6.2 Real time example - Picture

Fig.

Fig.

7. Procedure (for solving question #):

7.1 Question outline :

7.2 Object :

7.3 Resting on Conditions :

7.4 Other resting condition (if any) :

7.5 Other condition (cutting plane) :

Fig. Free hand sketch of the solution to question #

Step 1.

[illegible]

8. Commands used:

[illegible]

9. Result:

Faculty Name		Date of Submission	
Signature		Marks	

1. Exercise : 8

2. Date:

3. Title : Building Drawing (2D/3D).

4. Aim : To draw the orthographic multi-view projection of a building with sectioned view showing the construction details.

5. Software used:

6. Introduction: Building drawing, Plan, Elevation and Sectional view:

6.4 Terminology (with sketch):

6.2 Real time example Picture

Fig.

Fig.

7. Procedure (for solving question #):

7.1 Question outline :

7.2 Object :

Fig. Free hand sketch of the solution to question #

8. Commands used:

1. Exercise : 9

2. Date:

3. Title : 3D part modelling – Parametric.

4. Aim : To draw the 3D part modelling in advanced part modelling software.

5. Software used:

6. Introduction: Advanced 3D part modelling software

3D part sketch

Fig. 3D part model

7. Procedure (for solving question #):

7.1 Question outline :

7.2 Object :

Fig. Free hand sketch of the solution to question #

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1. Exercise : 10

2. Date:

3. Title : Generating 2D drawings from 3D models.

4. Aim : To generate associated 2D drawings from 3D models, and to annotate the same.

5. Software used:

6. Introduction: 2D drawings from 3D models, and on Annotation

Fig, Generated 2D drawing

7. Procedure (for solving question #)::

7.1 Question outline :

7.2 Object :

Fig. Free hand sketch of the solution to question #

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1. Exercise : 11

2. Date:

3. Title : Development of surfaces

4. Aim : To draw the development of lateral surfaces of un-cut and sectioned solid prisms/ cylinders, pyramids/ cones.

5. Software used:

6. Introduction: Development of lateral surfaces.

6.5 Sectioned solid - sketch):

6.2 Real times **example** Picture

Fig.

Fig.

7. Procedure (for solving question **#**):

7.1 Question outline :

7.2 Object :

7.3 Resting on Conditions :

7.4 Other resting condition (if any) :

7.5 Other condition - cutting plane :

Fig. Free hand sketch of the solution to question #

Step 1.

[illegible]

8. Commands used:

[illegible]

9. Result:

Faculty Name		Date of Submission	
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1. Exercise : 12

2. Date:

3. Title : Assembly modelling and generating assembly drawing.

4. Aim : To model assembly of parts and to generate the assembly drawing and exploded views.

5. Software used:

6. Introduction: Assembly of parts and Assembly drawing

Fig. Assembly model

7. Procedure (for solving question #):

7.1 Question outline :

7.2 Object :

Fig. Free hand sketch of the solution to question #

Step 1.

[illegible]

8. Commands/ tools/ features used:

[illegible]

9. Result:

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