**BBDNITM**

**MECHANICAL DEPARTMENT**

**SESSION(2018-19)**

**COMPUTER AIDED DESIGN [NME-701]**

**ASSIGNMENT No. 4**

Q 1. Briefly explain

 (i) Superquadric surfaces.

 (ii) Blobby objects.

Q 2. Write short notes on

 (i) PHIGS and IGES standards.

 (ii) Features of a CAD work station.

Q 3. Describe constructive solid geometry with suitable examples. How 3D

 objects having translation, rotational or other symmetry are modeled ?

 Explain with suitable examples.

Q 4. What are the functions of OSNAP command in AutoCAD ? What options are

 available in this command ?

Q 5. What do you understand by Boolean operations in CSG method of Solid

 Modeling ? Explain with the help of suitable examples. Describe how Union

 of two planes is obtained.

Q 6. Compare among Wireframe, Surface & Solid modeling.

Q 7. Write five Editing & five Drawing command in Autocad.

Q 8. Write short notes on Sweep Representation and Half Spaces.

Q 9. Write short notes on RGB and CMY colour model.

Q 10. What are the applications of a Solid Model ?