



PT-003-1154003 Seat No. _____

M. Sc. (Electronics) (Sem. IV) (CBCS)
(W.E.F. 2016) Examination

August - 2020

Computer Aided Designing : Paper - 15
(New Course)

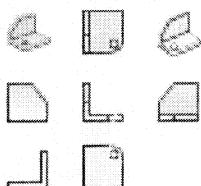
Faculty Code : 003
Subject Code : 1154003

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

Instructions : (1) All questions carry equal marks.
(2) Figures on right hand side indicate marks.

1 Answer the following : (Any **Seven**) **14**

- (1) Write very briefly about resource tool bar.
- (2) Briefly explain "assembly environment".
- (3) Identify from the following symbols the different types of views.



- (4) What are the input modes of a Profile tool?
- (5) The Chamfer tool is available in Direct Sketch group and Feature group of Home tab. What is the difference between these two? Explain with one example.
- (6) While drawing different entities, you want to display their dimensions also. What you should do for this? How will you do it?
- (7) How to edit Dimension value and other parameters of sketch?
- (8) What are slots? Which are the types of slots?
- (9) What is "Editing sketches of the sketch-based features"?
- (10) Write on editing a Hole Feature.

2 Answer the following : (Any Two) **14**

- (1) Write on the following. **7**
 - (a) Trimming sketched entities
 - (b) Creating a corner between sketched entities
 - (c) Extending sketched entities
- (2) Explain in detail how you can move the sketched entities using the Move Curve tool. **7**
- (3) Explain the "Circle" tool and "arc" of Direct Sketch group. **7**

3 Answer the following : **14**

- (1) Explain in detail on revolve tool. **7**
- (2) Explain the following terms: **7**
 - (1) Feature-based modeling
 - (2) Parametric modeling
 - (3) Bidirectional associativity
 - (4) prt
 - (5) Roles
 - (6) Part navigator

OR

3 Answer the following : **14**

- (1) Write in detail about the Dove Tail Slot. **7**
- (2) Discuss Draft and Chamfer features. **7**

4 Answer the following : **14**

- (1) What is the use of Pattern feature tool? Discuss in detail the linear Pattern feature. **7**
- (2) Write a note on how to create relative datum planes. **7**

5 Answer the following : (Any Two) **14**

- (1) Explain any four Assembly constraints with some details. **7**
- (2) Discuss mirror and tube features. **7**
- (3) Write all options of moving a component in an assembly. **7**
- (4) Explain the Add component tool with proper dialog box of assembly tab. **7**