



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

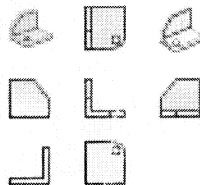
Time : $2\frac{1}{2}$ Hours]

[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