

Total No. of Questions : 4]

SEAT No. :

PE-237

[Total No. of Pages : 2

[6580]-598

B.E. (E & TC) (Insem.)

ELECTRONIC PRODUCT DEVELOPMENT
(2019 Pattern) (Semester - VII) (404185 (B)) (Elective - IV)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Answer Q.1 or Q.2, Q.3 or Q.4.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Use of calculator is allowed.
- 5) Assume suitable data, if necessary.

- Q1)** a) Explain the importance of design document? [5]
- b) Explain rapid prototyping and field testing for any design? [5]
- c) Write a short note on maintenance and life cycle cost? [5]

OR

- Q2)** a) Explain the concept of design development? [5]
- b) Explain the following terms with respect to product design. [6]
- i) Validation
 - ii) Verification and Integration
- c) Elaborate importance of team work and trust in electronic product design. [4]

- Q3)** a) How to convert requirements to design? Explain with any design example. [5]
- b) How reliability is achieved in any product design? [5]
- c) Write a short note on High speed design? [5]

P.T.O.

OR

- Q4)** a) Explain noise and error budget in detail? [5]
- b) Write a short note on standard data buses? [5]
- c) Brief about importance of evaluation boards and prototypes in electronic product design? [5]

