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SEAT No. :

P197

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BE/INSEM/APR-525

B.E. (Mechanical Engineering) (Semester - II)

402050C : PRODUCT DESIGN AND DEVELOPMENT

(2015 Pattern) (Elective - IV)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Assume suitable data if necessary.

Q1) a) Explain QFD (Quality Function Deployment) approach of modern product development. [5]

b) Explain Product Testing. [5]

OR

Q2) a) Explain Phases of product design. [5]

b) Explain Standardization with suitable example. [5]

Q3) a) Explain Technology of S Curve with suitable example. [6]

b) Explain Black box model for understanding the customer needs. [4]

OR

Q4) a) Explain how will you carry out analysis of gathered information. [5]

b) Identify and explain customer need with suitable example. [5]

Q5) a) Describe in detail brain storming. [4]

b) Explain morphological analysis with suitable example. [6]

OR

Q6) a) Explain subtract and operate procedure with suitable example. [5]

b) Explain Pugh's Concept. [5]

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