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]**

⌘⌘⌘