

Total No. of Questions : 6]

SEAT No. :

P98

[Total No. of Pages : 1

OCT/BE/Insem.-22
B.E. (Mechanical)
PRODUCT DESIGN & DEVELOPMENT
(2012 Pattern) (Elective - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.
- 2) Figures to the right indicate full marks.

Q1) a) Explain types of designs in brief. [4]

b) Discuss modern product development process in detail. [6]

OR

Q2) a) What is product development team? Discuss in detail various roles involved. [6]

b) Elaborate product validation. [4]

Q3) a) What is mission statement for team? Discuss. [4]

b) Define customer. Explain different segments of customer population. [6]

OR

Q4) a) Discuss Economic Analysis of product in brief. [4]

b) Explain technology s-curve with suitable example. [6]

Q5) a) What is role of Lateral Thinking in product design. Discuss in detail. [6]

b) Discuss in brief - concept selection. [4]

OR

Q6) a) Explain Pugh's concept selection chart with example. [6]

b) Explain in brief subtract & operate procedure. [4]

