

15. a)	Discuss the merits, demerits, and applications of Group Technology.	4	2	5	1
b)	Explain various principles of Concurrent Engineering.	4	4	5	1
16. a)	Explain the steps to be followed in Delphi technique for the product innovation.	4	4	1	1
b)	Discuss Principles and laws of appearance in product design.	4	4	2	1
17.	Answer any <i>two</i> of the following:				
a)	What is the significance of research in new product design?	4	2	3	7
b)	Discuss the function of manufacture, testing and quality in the product design and development.	4	2	4	1
c)	Explain the Product life cycle and mention the characteristics of each stage.	4	4	5	1

M : Marks; L: Bloom's Taxonomy Level; CO; Course Outcome; PO: Programme Outcome

i)	Blooms Taxonomy Level – 1	20%
ii)	Blooms Taxonomy Level – 2	30%
iii)	Blooms Taxonomy Level – 3 & 4	50%

R-906