



Code No. : **5225/M**

FACULTY OF ENGINEERING
B.E 4/4 (Mech./Prod.) II Semester (Main) Examination, May/June 2012
PRODUCT DESIGN AND PROCESS PLANNING (Ele – III)

Time: 3 Hours]

[Max. Marks : 75

- Note:** 1) Answer **all** questions of Part A.
2) Answer **five** questions from Part B.

PART – A

25

1. What is product design ?
2. What is meant by innovation ?
3. What is meant by functional design ?
4. Describe the concept of ergonomics.
5. Differentiate cost control activities with cost reduction activities.
6. Define trade marks.
7. Define copyrights process.
8. Distinguish between accuracy and precision.
9. What are the basic product design rules for maintaining ?
10. Define process capability.

PART – B

(5×10=50 Marks)

11. Explain the role of factors contributing for successful technological innovation.
12. Explain the role of factors in selection of right product.



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13. Explain the factors that design engineer should consider for man-machine interaction.
14. Explain the principles and laws of appearance.
15. What are the steps involved in patenting process ? Explain.
16. Explain the application of reliability to an equipment.
17. Explain reasons for failure of product.