

M. TECH.-III (MECHANICAL CAD/CAM) (CBCS – 2015 COURSE) :
WINTER - 2017

SUBJECT: SELF – STUDY PAPER –I: PRODUCT DESIGN & PROCESS PLANNING

Day: **Thursday**
Date: **25/01/2018**

W-2017-2934

Time: **11.00 AM TO 02.00 PM**
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to both the sections should be written in **SEPARATE** answer book.
 - 4) Assume suitable data if necessary.
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SECTION-I

Q.1 Discuss the criterial for success / failure of a product. **(10)**

OR

Q.1 Explain value of appearance, colours and laws of appearance. **(10)**

Q.2 What are creativity aspects and techniques? **(10)**

OR

Q.2 Explain procedures of value analysis. **(10)**

Q.3 Explain basic product design rules for sheet metal working. **(10)**

OR

Q.3 Explain basic product design rules for welding. **(10)**

SECTION-II

Q.4 Which advanced techniques are used for higher productivity? **(10)**

OR

Q.4 How man- machine information exchange takes place explain in details. **(10)**

Q.5 Write short note on Computer Aided Product Design and Process Planning. **(10)**

OR

Q.5 Write short note on 'Integrating Product Design. **(10)**

Q.6 Explain in details AUTO PLAN and PRO. **(10)**

OR

Q.6 Explain logical design of a process planning. **(10)**

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