

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Write a detailed note on mechanical behaviors of metals.
- Q.4 Discuss on metal casting processes.
- Q.5 Write a detailed note on conventional welding processes.
- Q.6 Discuss on sheet metal forming in detail.
- Q.7 Discuss on metal cutting operations in detail.

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Roll No.

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4th Sem. / Pack. Tech.

Subject : Plastics in Packaging

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Molded products.
- b) Fabricated products.
- c) Specific weight.
- d) Mechanical Strength.
- e) Reinforcement of plastics of metals.
- f) Transformation curves.
- g) Annealing.
- h) Pattern making.

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- i) Sand molding.
- j) Shell molding.
- k) Welding electrodes.
- l) Electric welding.
- m) M.S. sheet.
- n) Rolling.
- o) Sheet metal joints.
- p) Parts of die block.
- q) Diffusion coating.
- r) Drilling machines.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

Q.2 i) Applications of slotting machines.

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- ii) Classification of drilling machines.
- iii) Spinning lathe machine.
- iv) General purpose tools.
- v) Methods of surface cleaning.
- vi) Purpose of ceramic coating.
- vii) Main parts and construction of press.
- viii) Shearing process of sheet metals.
- ix) Characteristics of tin-free sheets.
- x) Types of extrusions.
- xi) Rolling of profile shapes.
- xii) Principles of electron beam welding.
- xiii) Centrifugal casting.
- xiv) Heat treatment of non-ferrous alloys.
- xv) Ceramic materials.

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