

SECTION-C

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

- Q.3 Discuss in detail the types of mould processes.
- Q.4 Write about main parts of injection moulds. Discuss in detail.
- Q.5 Discuss various mould parts, treatment like hardening, tempering electroplating.
- Q.6 Write about the maintenance & safety of mould tools.
- Q.7 Explain the various gates and runners in detail.

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5th Sem. / T&D

Subject : Plastic Mould-Design & Drawing

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 a) Disadvantages of surface cracking?
- b) Define mould tools.
- c) Write the names of main mould equipments.
- d) What is sliders?
- e) Functions of die lubricants.
- f) Functions of tolerance
- g) Define mould defects.
- h) Define encapsulation.

- i) What is interior shrinkage?
- j) What is hardening?
- k) Define loss of material.
- l) What is flash mould?
- m) Role of temperature control.
- n) Write the names of heating methods.
- o) Causes of defects.
- p) Define lubricants.
- q) Types of gates.
- r) Define sliders.

SECTION-B

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

- Q.2 i) Write the features of tools.
- ii) Which type of material is preferred for

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moulding process.

- iii) What are pre and post operations?
- iv) Discuss the various moulding processes.
- v) Classifications of mould machines.
- vi) Write about mould economics.
- vii) Write the cooling methods.
- viii) What is mould cycle?
- ix) What are the specifications of various mould machines?
- x) Write about three plate mould.
- xi) Discuss the types of materials preferred.
- xii) Discuss the properties of materials used.
- xiii) Applications of hand tools.
- xiv) Explain the types of moulds.
- xv) Discuss the shrinkage.

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