

SECTION-C

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

- Q.3 Explain construction of die for flexible tube in detail.
- Q.4 A mismatch in the alignment of two moulded parts like a box and cover, usually is traceable. How this is happened and how it can be improved?
- Q.5 What are dead spot and why they should be avoided?
- Q.6 Draw the assembly drawing of any one the sheet die & explain.
- Q.7 Write short note on 2x5=10
- a) After shrinkage b) Ribs in moulding

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Roll No.

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5th Sem. / Plastic Technology

Subject : Design of Dies & Moulds - II

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 a) What is the main acting member of compression moulding?
- b) What is the type of compression moulding?
- c) Write one advantage of compression moulding.
- d) Write the equation to find out the most economical number of cavities in a mould.
- e) What is pressure mould?
- f) Why the mould is called transfer mould?
- g) Write one disadvantage of transfer mould?
- h) What should be the shape of plunger and pot of a transfer mould?

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- i) What is the purpose of loading chamber of a mould?
- j) What is bottom force & top force?
- k) What is cure time?
- l) What is pot?
- m) What materials are used for blow mould construction?
- n) Can blow mould is used for extrusion process? Write Yes or No.
- o) Where is the pinch of in a blow mould?
- p) Drive name two type of blow moulding.
- q) What is breaker plate of die?
- r) What is spider legs?

SECTION-B

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

- Q.2
- i) Discuss the use of glass reinforced thermosetting resins as a material for blow moulds.
 - ii) Define and draw neat sketch of split die.

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- iii) Write a short note on heating systems for dies.
- iv) Explain the method for calculating the numbers of impressions that can be accommodated in a compression mould.
- v) Discuss a advantages of flash moulds.
- vi) Write a short note on cull in transfer mould.
- vii) What are the types of compression mould?
- viii) What is die geometry?
- ix) Explain calculating method of clamping pressure.
- x) Compare plunger & Pot type transfer moulds.
- xi) Write a short note on core rod design.
- xii) State three general features of extrusion die.
- xiii) Explain the extended method for modification of in line die.
- xiv) Write down the advantages of tubing die for wire coating.
- xv) Write a short note on mold cooling.

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