

Q.25 Write short note on

- a) Die swell
- b) Bubble casing

No. of Printed Pages : 4
Roll No.

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3rd Sem./ Plastic Technology
Sub : Plastic Processing Techniques-I

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Function of barrel

- b) To heat plastic raw material
- b) To push raw material
- c) Pressure develop
- d) All of these

Q.2 Function of screw

- a) Homogeneous mixing
- b) To pump the material
- c) Pressure develop
- d) All of these

Q.3 Printing is a process of

- a) Secondary operation b) Primary operation
- c) Both A & B d) None of these

- Q.4 Extrusion molding is a
- a) Continuous process
 - b) Batch wise
 - c) Both A & B
 - d) None of these
- Q.5 Function of hopper
- a) To feed raw material
 - b) To preheat the material
 - c) Both A & B
 - d) None of these
- Q.6 Screw diameter is higher than that of root diameter
- a) True
 - b) False
 - c) Can not say
 - d) All of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define pitch of the screw.
- Q.8 Define L/D ratio of screw.
- Q.9 Define die.
- Q.10 Define breaker plate.
- Q.11 Define screw channel depth.
- Q.12 What are nip rolls?

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain cutting devices in extrusion molding.
- Q.14 Explain wire manufacturing process.
- Q.15 Draw a neat sketch of an extruder and explain its parts.
- Q.16 Explain cooling process and its types.
- Q.17 What are the advantages of calendaring.
- Q.18 Explain principle of co-extrusion.
- Q.19 Write process of pipes in extrusion molding.
- Q.20 Discuss winding equipment in extrusion molding.
- Q.21 Explain thrust bearing give its uses.
- Q.22 What is L/D ratio, give its significance.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain various calendaring defects and their remedies.
- Q.24 Draw neat sketch of different types of extruder and its advantages.

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