

- Q.30 With a neat diagram, write the process of foam casting.
- Q.31 Give five applications of polymers in Textile Industry.
- Q.32 Give difference between Co-Injection moulding Process and Multilayer Injection moulding Process.
- Q.33 Write a short note on Dry Spinning Process with a neat diagram.
- Q.34 How will you control the thickness of Product in IBM process.
- Q.35 Write five polymeric materials used in Textile Industry. Write two properties of each.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 With a neat and labeled sketch, Write the process of RIM.
- Q.37 Write the process of lost core Injection moulding with a neat sketch. Give its one major advantage and one major disadvantage.
- Q.38 With a neat and labeled diagram, write the process of ISBM.

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Roll No.

6th Sem / Plastic

Subject:- Plastic Processing Techniques - IV

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which of the following process is used to make laminates
- Injection Moulding
 - Compression Moulding
 - Extrusion
 - Calendering
- Q.2 Three layered overhead water tanks are example of
- SFM
 - EPS
 - Sandwich Moulding
 - All of above
- Q.3 All Electric Injection Moulding Machine as compare to Hydraulic Injection Moulding machine is
- Small in Size
 - Makes less noise
 - Economic
 - All of above
- Q.4 Fibers are polymeric materials having I/d ratio of at least
- 1
 - 10
 - 100
 - 1000

- Q.5 PU foams are
 a) Rigid b) Semi Rigid
 c) Flexible d) All of above
- Q.6 Which of the following is not an inert gas
 a) Oxygen b) Nitrogen
 c) Carbon Dioxide d) Argon
- Q.7 One major disadvantage of multilayer packaging is
 a) Its cost b) Its Properties
 c) Its Applications d) Its recyclability
- Q.8 Thin Walled Injection Moulding Process requires
 a) High injection Pressure
 b) Low Injection Pressure
 c) Medium Injection Pressure
 d) No Injection Pressure
- Q.9 MFI for Injection Moulding Process is
 a) Less than two b) Between two & Five
 c) More than Five d) None of above
- Q.10 Which of the following process does not give Biaxially Oriented Product.
 a) IBM b) EBM
 c) IM d) Blown film process

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define Physical Blowing Agent.
- Q.12 Give one advantage of Tie Bar Less Injection Moulding machine.

- Q.13 Give difference between Plastics Laminate and Plastics Paper Laminate.
- Q.14 Define Textiles.
- Q.15 What is the difference between film and sheet.
- Q.16 Define SFM.
- Q.17 Expand GAIM.
- Q.18 Expand BUR.
- Q.19 Give one application of straight through Die.
- Q.20 Fill in the blank
 Thin walled injection moulding component has thickness less than _____ mm.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Write any five materials used in extrusion process. Write two properties of each.
- Q.22 What is vacuum box, why it is used.
- Q.23 Write a note on cutting devices used in Extrusion process of pipes.
- Q.24 Write down the five advantages of all electric Injection Moulding machine.
- Q.25 What is meant by multilayer blow moulding process. Write its two advantages.
- Q.26 Write a neat sketch, write parison programming.
- Q.27 Write a note on CBA, Give classification based in its material of manufacturing.
- Q.28 What is SFM, Give its one area of application.
- Q.29 Give five advantages of GAIM process.