

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

(40)

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- 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.