

351 Register No.:

April 2024

*Time - Three hours*  
*(Maximum Marks: 100)*

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.  
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART - A

1. What are commodity plastics?
2. Write about blown film extrusion.
3. List the types of nozzles.
4. Write the use of sprue puller.
5. What is a dog leg cam?
6. How to determine mould size?
7. Define breathing time.
8. What is meant by pinch off?
9. Define draft angle.
10. Write short notes on vapour polishing.

[Turn over.....

PART – B

11. (a) Explain in detail compression moulding procedure.  
(Or)  
(b) Explain with a neat sketch thermoforming operation.
12. (a) Explain in detail types of gates their necessity with a neat sketch.  
(Or)  
(b) Explain in detail methods of ejection.
13. (a) Explain in detail different loose core methods.  
(Or)  
(b) Explain the system for a quick change of moulds for thermoplastics.
14. (a) Explain with a neat sketch hydraulically operated moulding machine.  
(Or)  
(b) With suitable sketch explain Injection Blow Moulding.
15. (a) Explain electrolytic plating process with a neat sketch.  
(Or)  
(b) Explain how repair and alterations of moulds are carried out.

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