



Sri Vidya College of Engineering and Technology
Virudhunagar – 626 005



Department of Mechanical Engineering

ME6302 Manufacturing Technology I

Question Bank / Unit 5 – MANUFACTURING OF PLASTIC COMPONENTS

PART-A (2 MARKS)

1. What are the applications of laminated plastics?
2. Enumerate the advantages of Electro-hydraulic forming process
3. Write any two limitations of Electro-magnetic forming process
4. What are the characteristics of thermosetting plastics?
5. Classify thermoplastics
6. What is meant by high energy rate forming?
7. Name any four thermosetting plastics, used in industries.
8. Give four examples of thermo plastics
9. Give two examples of thermoplastics and thermosetting plastics
10. What is blow moulding process?
11. Which type of plastic is used for manufacturing electrical switches? Why?
12. What is meant by rotational moulding?
13. List the advantages and disadvantages of rotational moulding
14. Define thermoforming

15. What is meant by transfer moulding?
16. Which type of moulding is used for making bottles?
17. What are the types of compression moulding?
18. What is bonding of thermoplastics?
19. List the advantages and disadvantages of transfer moulding
20. What is meant by film blowing?

PART – B (16 MARKS)

1. Explain the principle of injection moulding process
2. i. Describe any method of bonding thermoplastics
ii. What is laminating? Explain the low pressure method of laminating
3. i. Explain the transfer moulding process
ii. Why screw injection moulding machine is better than a ram type injection moulding machine?
4. i. Describe the compression moulding process
ii. Describe briefly any two thermoplastics and thermosetting plastics
5. What are the process used for processing of thermoplastic. Explain any one process with suitable sketches
6. What is thermoforming process. Explain with a neat sketch
7. Describe film blowing operation
8. Explain Rotational moulding
9. i. Explain blow moulding process with its salient features
ii. What are the additives to be mixed in processing plastics and explain the purpose of each.
10. i. Describe different types of plastics with applications of each type
ii. How do thermoplastics differ from thermosetting plastics?