



- Q.4 Which material is commonly used for rotational moulding?
- a) PVC                                      b) Polyethylene  
c) Polystyrene                              d) Nylon
- Q.5 Which parameters affects the thickness of a parison in blow moulding?
- a) Injection pressure  
b) Parison programming  
c) Cooling rate  
d) Nozzle diameter
- Q.6 In stretch blow moulding, the term “blow up ratio” refers to:
- a) Speed of heating  
b) Stretching of perform  
c) Expansion of air pressure  
d) Cooling time

### SECTION-B

- Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)
- Q.7 Write the main function of the barrel in an injection moulding.
- Q.8 Blow moulding is commonly used for producing \_\_\_\_\_(bottles /sheets/Pipes).

(2)

222252

- Q.9 The Raw materials, generally used in rotational mouldings is in \_\_\_\_\_ form (Granular/powder / Lump)
- Q.10 Write one function of clamping unit.
- Q.11 Write any one process variable that can affect cycle time in injection moulding machine
- Q.12 The defect in injection moulding caused by insufficient cooling is \_\_\_\_\_

### SECTION-C

- Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)
- Q.13 What are the basic principles of injection moulding?
- Q.14 List any four parts of an injection moulding machine and explain their functions.
- Q.15 What are the common defects in injection moulding and how can they be prevented?
- Q.16 Explain the importance of parison programming in blow moulding.
- Q.17 What are the advantages of rotational moulding over other moulding processes?
- Q.18 What is the difference between injection moulding and extrusion moulding?
- Q.19 Describe the role of a perform in injection blow moulding.

(3)

222252