

Q.22 Write four materials used to make blow molded articles. Write two properties of each.

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### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 With a neat & labeled sketch. Write the process to make multi layered blow molded article.

Q.24 With all the steps involved with labeled sketch. Write the process of LIM.

Q.25 What CBA, Why it is used, Give its classification and explain each type.

### 6th Sem / Plastic Technology

### Subject : Advance Plastic Processing Techniques

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Laminates have at least

- a) One Layer
- b) Two Layers
- c) Three Layers
- d) Four Layers

Q.2 RIM stands for

- a) Right Injection molding
- b) Robotic Injection molding
- c) Reaction Injection Molding
- d) Reinforced Injection Molding

Q.3 Which of the following materials can be foamed

- a) PE
- b) PS
- c) PVC
- d) All of above

(20)

(4)

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(1)

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- Q.4 Three layered blown film is formed using
- a) One die                      b) Two dies
  - c) Three dies                 d) Four dies
- Q.5 Thin layered blow molded article is blown using
- a) Very low pressure air
  - b) Low pressure air
  - c) High pressure air
  - d) Zero pressure air
- Q.6 Steering wheels of tractors are molded using
- a) Thin walled injection molding process
  - b) Insert injection molded process
  - c) Extrusion process
  - d) Calendaring process.

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Expand the term WAIM.
- Q.8 Define polymer foam.
- Q.9 Give one example of paper plastic laminate.

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- Q.10 Give one product made by EPS.
- Q.11 Give one product made by thin walled injection molding process.
- Q.12 Define corrugated sheet.

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write the process of foam casting process.
- Q.14 Give four advantages of robotics in plastics Industry.
- Q.15 Draw a neat sketch of Extrusion die to make two layered sheet.
- Q.16 Write four applications of Plastics Metal laminate.
- Q.17 Why lost core injection molding is used. Give its two advantages.
- Q.18 What is difference between two color injection molding and two layered injection molding?
- Q.19 With a neat sketch, write the process of EPS.
- Q.20 Write four disadvantages of plastics Laminate.
- Q.21 Write note on open cell structure and closed cell structure in foam molding.

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