

### SECTION-D

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

Q.23 Write short note on

- a) Water borne coating
- b) Oil borne coating

Q.24 Explain solvent based coating their raw material and manufacturing process.

Q.25 What are the defects of water based coating.

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### 5th Sem / Plastics Technology

### Subject : Adhesive and Coating Technology

Time : 3 Hrs.

M.M. : 60

### SECTION-A

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

Q.1 Adhesive becomes strong immediately after its application.

- a) True
- b) False
- c) Both A & B
- d) None of these

Q.2 Adhesive is a substance used

- a) For sticking to unlike bodies together
- b) Mixing of metal and nonmetals
- c) For making alloy
- d) For purification of water

Q.3 Which is not the property of adhesive?

- a) Degree of tackiness
- b) Time required for cooling
- c) Strength of bonding
- d) None

Q.4 Epoxy adhesives are used in the manufacturing of

- a) Glass                                      b) Fabric
- c) Plywood                                      d) Plastics

Q.5 Adherends means

- a) Body held together by an adhesive
- b) Force between two bodies
- c) Both A & B
- d) None

Q.6 An example of natural adhesive which is used as envelopes and stamps

- a) Starch                                      b) Wax
- c) Araldite                                      d) All of these

### SECTION-B

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

Q.7 Define solvent cementing.

Q.8 Write two components of coatings.

Q.9 Write two examples of resins which are used as adhesive.

Q.10 Define glue line.

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Q.11 Write one example of hot melt adhesive.

Q.12 Write structural formula of urea formaldehyde.

### SECTION-C

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

Q.13 Write adhesive and their classification.

Q.14 What are affecting factors which influence the bond strength.

Q.15 Write advantages and disadvantages of hot melt adhesive.

Q.16 Write properties and preparation of melamine formaldehyde.

Q.17 Write advantages and disadvantages of epoxy resin.

Q.18 Explain solvent based coating raw materials and manufacturing process.

Q.19 Write four components of adhesives.

Q.20 What are the properties of varnishes and their application?

Q.21 Write component of coating explain any two of them.

Q.22 Explain adhesive for polymers.

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