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222255B

5th Sem./ Plastic Technology
Subject : Adhesive & Coating Technology

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)

- Q.1 An example of inorganic adhesive is
- a) Plexi glass
 - b) Araldite
 - c) Sodium silicate
 - d) None of these
- Q.2 Araldite is a
- a) Thermoplastic resin
 - b) Thermosetting Resin
 - c) Natural resin
 - d) All of these
- Q.3 Which of the following is not a natural adhesive?
- a) Shellac
 - b) Soybean
 - c) Resin
 - d) All of these
- Q.4 Which of the following glue can be made plastic again by re-heating?
- a) Thermo-setting
 - b) Rubber glue
 - c) Animal protein glue
 - d) Thermo plastic

- Q.5 Which of the following adhesive is not attacked by water?
 a) Starch glue b) Albumin glue
 c) Vegetable glue d) Rubber glue
- Q.6 Which of the following is/are hot melt adhesives
 a) Ethylene vinyl acetate b) Polyolefin's
 c) Polyamides d) All of these
- Q.15 Explain water and solvent based adhesive.
 Q.16 Discuss coating and their types.
 Q.17 Describe melt adhesive techniques and uses.
 Q.18 Explain different types of resins used in adhesive.
 Q.19 Discuss preparation and properties of urea formaldehyde.
 Q.20 Write advantages and limitations of polyurethane.
 Q.21 Discuss silicone based coatings and their applications.
 Q.22 Explain in brief about elastomeric coatings.

Section-B

Note: Objective/Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

- Q.7 Define Fading.
 Q.8 Define yellowing.
 Q.9 Define glue line.
 Q.10 Define thermoplastic resin with example.
 Q.11 Write two examples of thermosetting resins.
 Q.12 Write two examples of natural adhesives.

Note: Long answer type questions. Attempt any two questions out of three Questions. $(2 \times 8 = 16)$

- Q.23 Write in brief about adhesives, classification and their components
 Q.24 Explain in brief preparation and application of polyethylene.
 Q.25 Write short note on
 a) Polyester coating b) Adhesive for woods

Section-C

Note: Short answer type Questions. Attempt any eight questions out of Ten Questions. $(8 \times 4 = 32)$

- Q.13 Write adhesive and their components.
 Q.14 Write preparation of hot melts adhesive and their applications.