Q.24 Explain properties and applications of thermoplastics Poly urethane Elastomers

Q.25 Discuss role and nature of binders. Also explain properties and applications of various types of FRP's.

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4th Sem./ Plastic Technology

Subject : Plastic Materials and Properties - II

Time : 3 Hrs. M.M. : 60

SECTION-A

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

Q.1 The plastics are_____in nature.

a) Semi conductors b) Conductors

c) Insulators d) None of these

Q.2 PPS stands for_____.

a) Poly phenylene sulphide

b) Poly phenyl sulphur

c) Poly phenol Sulphones

d) Polyester propane sulphide

Q.3 FRP stands for_____.

a) Fibre recycled plastic

b) Filled reinforced polymer

c) Fibre reinforced plastic

d) None of these

Q.4 Which of the following is an example of filler used in FRP industry?

a) Mica dust b) Calcium carbonate

c) Talc d) All of these

Q.5 Which of the following is an example of miscible polymer blend?

a) PVC-Nitrile Rubber b) PP-EPDM

c) PVC-ABS d) none of the above

Q.6 Which polymer is used aircraft application?

a) PEEK b) PS

c) PE d) PA

SECTION-B

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

Q.7 Expand LCP.

Q.8 Name two engineering polymers.

Q.9 Name two fibers used in FRP's.

Q.10 State two applications of polymer concrete

Q.11 Name two conducting polymers.

Q.12 Give two food packaging application of Plastics.

SECTION-C

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

Q.13 Discuss four Bio medical applications of plastics.

Q.14 Discuss various types of glass-fibers used in FRP industry.

Q.15 Briefly explain polymer Nano-composites.

Q.16 Give properties and applications of POM material

Q.17 Discuss polymer-concretes and their applications

Q.18 Explain various fillers used in FRP industry.

Q.19 State four advantages of polymer blending.

Q.20 Discuss properties and applications of PTFE

Q.21 Explain principle of composite reinforcement.

Q.22 Give properties and applications of PEEK material.

SECTION-D

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

Q.23 Write a short note on :

a) Conducting polymers

b) Bio-medical applications of plastics