

- Q.27 Discuss application of plastics in biomedical industry.
 - Q.28 Explain role of composition in polymer blends.
 - Q.29 Explain bio material polymers.
 - Q.30 Discuss nano composite and their advantages.
 - Q.31 Discuss PVC Nitrile rubber blend.
 - Q.32 Explain membrane separation methods.
 - Q.33 Discuss various types of fibers used in FRP industry.
 - Q.34 Discuss various parameters for compatibility of polymer blends.
 - Q.35 Explain preparation of Graphite fiber.

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4th Sem. Branch : Plastic Subject : Plastic Materials & Properties-II/ Engg. & Sp. Poly

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice Questions. All Questions are compulsory. (10x1=10)

Q.5 PPO Stands for _____

- a) Poly phenylene oxide
- b) Poly propylene oxide
- c) Poly phenylene di oxide
- d) None of the above

Q.6 Which of the following has lowest co efficient of friction

- a) PEEK b) PTFE
- c) PPO d) PE

Q.7 Which of the following has highest density

- a) PTFE b) PEEK
- c) LCP d) PPS

Q.8 Th Plastics are _____

- a) Conductors
- b) Semi-Conductors
- c) Insulators
- d) Conducts at below the room temperature only

Q.9 Polymer concrete is also known as _____

- a) Epoxy concrete b) Epoxy granite
- c) Epoxy cement d) None of the above

Q.10 Which of the following is an example of miscible polymer blend?

- a) PCV Nitrile Rubber b) PP-EPDM
- c) PVC-ABS d) None of the above

Section-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Write two application of acrylic plastic.

Q.12 POM Stands for _____.

Q.13 Give one example of coupling agent.

Q.14 LCP Stand for _____.

Q.15 Give one example of Opto-electronic Plastic.

Q.16 Give two applications of PPO.

Q.17 Give one name of Bio polymer.

Q.18 Define reinforcing agent in polymer composite.

Q.19 Give two applications of membrane separation

Q.20 Give Two properties of PEEK.

Section-C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions. (12x5=60)

Q.21 Explain various applications of PTFE.

Q.22 Explain Role of fiber in polymer composite.

Q.23 Discuss ABS/PVC Blend and their advantages.

Q.24 Discuss role of binders and coupling agent in polymer composite.

Q.25 Discuss various types of filler used in polymer composite.

Q.26 Discuss preparation of boron fiber.