B. Tech.
(SEM. IV) EXAMINATION, 2006-07
MODIFIED SYNTHETIC FIBRES

Time : 2 Hours] [Total Marks : 50

Notes : (1) Attempt all questions.
(2) All questions carry equal marks.

1. How modacrylic fibres are different from acrylic fibres? Discuss the structures and industrial preparation of acrylics.

OR

1. Describe the methods of acquiring risk like properties in the modified polyester fibres.

2. Write a note on inherently flame retardant polyesters.

OR

2. How the flame retardancy is incorporated in acrylic fibres? Discuss.

3. Discuss about the biodegradable polyester fibres ? How it differs from antistatic polyester fibres?

OR

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3. Write a note on antibacterial nylon 6 in detail.

4. Discuss the plasma treatment of polyester fibres.

**OR**

4. Describe hollow acrylic fibres. How it differs from bicomponent acrylic fibres?