



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 160408

Roll No.

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B. Tech.

(SEM. IV) THEORY EXAMINATION, 2014-15
TEXTILE FIBRE - II

Time : 2 Hours]

[Total Marks : 50

- Note :**
- (1) Attempt all questions.
 - (2) All questions carry equal marks.

- 1 Attempt any two parts of the followings :
 - (a) Give broad classification of manufactured fibres.
 - (b) What is spin finish? Discuss its importance in synthetic fibres.
 - (c) Discuss about various spinning systems used in man-made fibre production.

- 2 Attempt any two parts of the following :
 - (a) How dope is prepared in solution spinning ? Discuss about precautions to be taken during dope preparation.
 - (b) Discuss the criteria for fibre forming polymers.
 - (c) Discuss various chemical reactions involved during polymerization of polyethylene terphthalate (PET).

- 3** Attempt any two parts of the followings :
- (a) Give name of various synthetic polyamides. Differentiate Nylon 66 with Nylon 6.
 - (b) Discuss properties of Nylon 6.
 - (c) Discuss the acrylic fibre formation through dry jet wet spinning process.
- 4** Give short notes on any three of the followings :
- (a) Viscose fibre
 - (b) Cuprammonium rayon
 - (c) Spinnerets
 - (d) Coagulation bath.
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