

BTECH
(SEM.IV.) THEORY EXAMINATION 2017-18
SUBJECT NAME: TEXTILE FIBRE-II

Time: 3 Hours

Total Marks: 50

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

- 1. Attempt all questions in brief. 2 x 5 = 10**
- a. What do you understand by regenerated fiber?
 - b. What are the end group of aminocaproic acid?
 - c. What is the objective of drawing?
 - d. What is function of a Quench Chamber?
 - e. What is spinning?

SECTION B

- 2. Attempt any one of the followings: 8 x 1 = 8**
- a. Compare the properties of cotton and viscose fiber.
 - b. Discuss the properties of polyester fiber
 - c. Discuss the properties of Nylon 66 fiber.

SECTION C

- 3. Attempt any one part of the following: 8 x 1 = 8**
- (a) Give brief idea about spinning head, spinneret, quench chamber with suitable figures.
 - (b) Explain the dry spinning process with suitable figures.
- 4. Attempt any one part of the following: 8 x 1 = 8**
- (a) Discuss the method of producing PET fiber by continuous process through DMT route.
 - (b) Discuss the method of producing PET fiber by batch process through TPA route.
- 5. Attempt any one part of the following: 8 x 1 = 8**
- (a) Discuss the method of producing NYLON 66 fiber by continuous process.
 - (b) Discuss the method of producing NYLON 6 fiber in VK Tube.
- 6. Attempt any one part of the following: 8 x 1 = 8**
- (a) Discuss the manufacturing process sequence of any viscose fiber.
 - (b) Discuss the methods of obtaining microfibrillar structure in viscose fiber manufacturing.