



UF-6283

**B. E. II (Sem. III) (Textile Technology & Textile Processing) Examination**  
May/June – 2012  
**Textile Fibres**  
(Old Scheme)

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दर्शावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कपनी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
<input type="text" value="B. E. II (Sem. III) (T. T. &amp; T. P.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Textile Fibres (Old Course)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="8"/> <input type="text" value="3"/>	Section No. (1, 2,.....): <input type="text" value="1,2"/>
Student's Signature	

- (2) Answers to the two sections must be written in separate answer book.
- (4) Figures to extreme right indicate full marks.

**SECTION - I**

- 1 (a) Answer the following objective questions. 10
- (1) \_\_\_\_\_ is natural mineral fibre.
  - (2) Wool polymer is made up of around \_\_\_\_\_ amino acids.
  - (3) Short fibres whose length is measured in terms of centimeters of inches are called \_\_\_\_\_ fibres.
  - (4) Ramie is a leaf fibres. True or False.
  - (5) The cotton fibre density is \_\_\_\_\_ gpd.
  - (6) \_\_\_\_\_ sheep produce the best quality of wool.
  - (7) Linen is obtained from \_\_\_\_\_ plant.
  - (8) The only natural bicomponent fibre is \_\_\_\_\_.
  - (9) The fibre with keratin polymer is \_\_\_\_\_.
  - (10) Cotton is a \_\_\_\_\_ staple fibre.

- (b) Discuss in detail the manufacturing of Spun Silk. 10
- 2 Discuss in detail the growth, production and manufacturing of cotton fibre. 15

**OR**

- 2 (a) Explain in detail the manufacturing process of wool fibre. 10
- (b) Explain the physical properties of wool fibre. 5
- 3 Write short notes on any three of the following. 15
- (a) Jute fibre.
- (b) Ramie fibre.
- (c) Primary properties of fibres.
- (d) Classification of wool fibres.

**SECTION - II**

- 4 (a) Answer the following objective questions. 10
- (1) Polyethylene terephthalate is commercially known as \_\_\_\_\_.
- (2) Give two uses of SARAN fibres.
- (3) Which fibre is also known as synthetic wool fibre ?
- (4) Melting point of Nylon-6 is \_\_\_\_\_ °C.
- (5) Give two examples of elastomeric fibres.
- (6) Casein fibre is obtained from \_\_\_\_\_.
- (7) Give any two uses of vinyon fibres.
- (8) Acrylic fibres are spun by \_\_\_\_\_ or \_\_\_\_\_ methods of spinning.
- (9) The monomer used in preparation of nylon 6 is \_\_\_\_\_.
- (10) Define Mod-Acrylic fibre.
- (b) Describe in detail various spinning methods of synthetic fibres with neat sketch. 10

- 5 (a) Explain with neat flow diagram, the steps involved in manufacturing of polyester fibre. 10
- (b) Discuss physical and chemical properties of polyester fibre. 5

OR

- 5 Explain with neat flow diagram, the manufacturing of viscose rayon. Also discuss its various properties in detail. 15
- 6 Write short notes on any three of the following. 15
- (a) Saran fibres.
- (b) Vinyon fibres.
- (c) Polynosic rayon.
- (d) Properties of polypropylene fibres.
-