

S.No. 98

12PTF01

(For the candidates admitted from 2012-2013 onwards)

M.Sc. DEGREE EXAMINATION, APRIL/MAY 2018.

First Semester

Textile and Fashion Designing

TEXTILE SCIENCE

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer ALL the questions.

1. (a) Write about properties of polyester fibre.

Or

(b) Explain manufacturing process of Jute.

2. (a) Write about carding process.

Or

(b) Explain about working principles of simplex machine.

3. (a) Explain about pirn winding process.

Or

(b) Describe the auxiliary motions of a power loom.

4. (a) Write about Main Parts of Air Jet Loom for Weft Insertion.

Or

(b) What are the different parts of projectile loom.

5. (a) Describe about purl weft knitting machine.

Or

(b) Explain about raw materials used in bonding process.

SECTION B — (5 × 10 = 50 marks)

Answer ALL the questions.

6. (a) Write in detail about manufacturing process and properties of silk.

Or

(b) Describe about physical and chemical properties of polyester fiber.

2

S.No. 98

7. (a) Explain in detail working principles of draw frame and comber process.

Or

(b) Describe in detail about classification of yarn.

8. (a) Write about the purpose and properties of sizing.

Or

(b) Explain about primary & secondary motion of power loom.

9. (a) Write about working principles of rapier loom in detail.

Or

(b) Explain in detail about water jet machine.

10. (a) Write about interlock and rib knitting machine.

Or

(b) Describe about needle punching bonding machine.

3

S.No. 98