

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BSc DEGREE EXAMINATION DECEMBER 2017**  
(First Semester)

Branch - **COSTUME DESIGN & FASHION**

**FIBER & YARN MANUFACTURING / TEXTILE SCIENCE**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks (10 x 2 = 20)

- 1 What is a staple fibre?
- 2 Define Crimp?
- 3 Define regenerated fiber.
- 4 What are the characteristics of acetate fiber?
- 5 What are the types of chemical spinning?
- 6 What are uses of polyester?
- 7 Define Combing.
- 8 Define Ginning.
- 9 Define TFO.
- 10 What are fancy yarns?

**SECTION - B (25 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a What are the difference between natural and synthetic fibres?  
OR  
b Write about the manufacturing process of Jute fiber.
- 12 a Give an account on regenerated protein fibres.  
OR  
b Write note on bicomponent fibers.
- 13 a Write about the properties of acrylic fiber.  
OR  
b Discuss about the properties of Polyester fiber.
- 14 a Explain about Combing process.  
OR  
b Write note on the objectives of blow room.
- 15 a Explain about any five yarn faults.  
OR  
b Write a note on Doubling.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Write in detail about the classification of textile fibres.
- 17 Explain about the manufacturing process of acetate rayon.
- 18 Write in detail about the manufacturing process of Nylon fiber.
- 19 Discuss in detail about working principle of draw frame with neat sketching.
- 20 Write a detailed note on working of simplex machine.

Z-Z-Z

END