

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2018
(First Semester)

Branch - COSTUME DESIGN & FASHION

FIBER & YARN MANUFACTURING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 1 = 10)

- 1 Which of the following is a vegetable fiber?
(i) Rayon (ii) Sisal
(iii) cashmere (iv) lurex
- 2 Choose the animal fiber from the following.
(i) Hemp (ii) Jute
(iii) Wool (iv) Lurex
- 3 Which is the regenerated fiber?
(i) Cotton (ii) Viscose
(iii) Carbon (iv) Sisal
- 4 Choose the regenerated protein fibre for the following .
(i) Viscose (ii) Acetate Rayon
(iii) Casein (iv) Nylon
- 5 Identify the best suitable spinning technique to make polyester fibre .
(i) Melt (ii) Dry
(iii) Wet (iv) Nope of these
- 6 Identify the group to which Nylon fibre belong.
(i) Polyester (ii) Polyamide
(iii) Polyacrylic (iv) Poly cere thane
- 7 Mention the process in which short fibres are removed.
(i) Blow room (ii) carding
(iii) Combing (iv) Drawing
- 8 State the function of Drawing process
(i) To remove trash (ii) To remove short fibres
(iii) To improve slive conformity (iv) To impart twist
- 9 Which is the cause for yarn snart?
(i) Low twist (ii) Excessive twist
(iii) Short fibres (iv) Long fibres
- 10 Choose the spinning process in which ring & travelers are used
(i) Rotor spinning (ii) Ring spinning
(iii) Compact spinning (iv) Compact spinning

SECTION - B (35 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 7 = 35)

- 12 a Explain the physical and chemical properties of Acetate rayon fibres.
OR
b Describe about regenerated protein fibres.
- 13 a Explain about the Dry spinning process with an example.
OR
b Explain about texturizing process.
- 14 a Explain about any one of the ginning process.
OR
b Write a note on Drawing process.
- 15 a Give a note on Sewing thread.
OR
b Write about any five yarn faults and its remedies.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Explain in detail about the manufacturing process of Wool fibre and its properties.
- 17 Write about manufacturing process Viscose rayon with a neat sketch.
- 18 Elaborate about Bicomponent fibres.
- 19 Discuss about the passage of material through simplex machine and state its objectives.
- 20 Explain in detail about ring spinning.

Z-Z-Z

END