

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022
(First Semester)

Branch – COSTUME DESIGN AND FASHION

TEXTILE SCIENCE

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. The fleece of the lamb refers to _____
(i) A popular sheep breed (ii) The white colour of the fur
(iii) Hairy fibres of the sheep (iv) All of the above
2. Which of the following fibres is used for making parachutes, ropes and sleeping bags?
(i) Rayon (ii) Nylon
(iii) Polyesters (iv) All of the above
3. The process of separation of cotton fibers from their seed is called
(i) Weaving (ii) knitting
(iii) Shearing (iv) ginning
4. For same count Rotor yarn TM is
(i) 2 times greater than ring yarn (ii) 5-10% greater than ring yarn
(iii) same as ring yarn (iv) 5-10% lower than ring yarn
5. In which of these process, fiber fineness have prime role in influencing yarn characteristic
(i) Ring spinning (ii) Air jet spinning
(iii) Rotor spinning (iv) Friction spinning

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. a Outline about carbonizing process.
OR
b Describe about bamboo fiber properties.
7. a Explain about Bi-component fibers.
OR
b Narrate about Dry spinning.
8. a Describe about Combing.
OR
b Discuss the objectives and working principles of Blow Room.

Cont...

- 9 a Explain about Drafting.
OR
b Outline about Doubling.
- 10 a Narrate the applications of textured yarn.
OR
b Describe about Twist and its importance.

SECTION -C (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Summarize the classification of fibers.
OR
b Discuss about retting process and its types.
- 12 a Elucidate polymerization reaction and its types.
OR
b Outline about Melt spinning.
- 13 a Discuss about passage of material in machine carding.
OR
b Explain about passage of material in drawing process.
- 14 a Explain in detail about Simplex m/c process.
OR
b Outline about Rotor spinning.
- 15 a Elucidate TFO.
OR
b Describe about sewing thread manufacturing.

Z-Z-Z

END