

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2019
(First Semester)

Branch - Costume Design and Fashion

FIBRE AND 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 Wool fibres obtained from _____
(i) Fish and snail (ii) Butterfly and bee
(iii) Coal and tar (iv) Sheep and goats
- 2 The term tenacity is related to fibre
(i) Fibre length (ii) Fibre elongation
(iii) Fibre Strength (iv) Fibre weight
- 3 Viscose Rayon is also called as _____
(i) Artificial Wool (ii) Artificial Silk
(iii) Artificial cotton (iv) Artificial linen
- 4 Milk fibre is obtained from _____ content naturally present in Milk
(i) Protein (ii) Casein
(iii) Vitamin (iv) Mineral
- 5 Polyester is the product of the reaction between _____
(i) Dimethyl and chloroform (ii) Ethanol and caustic soda
(iii) Dihydric Alcohol and Dicarboxylic acid (iv) Sodium hydroxide and calcium oxide
- 6 Japanese name of Nylon is _____
(i) Anilon (ii) Cashmilon
(iii) Azlon (iv) Nelon
- 7 The process of combined or condensed combed sliver to the slubber of a series is called as _____
(i) Ginning (ii) Twisting
(iii) Roving (iv) Combing
- 8 Conventional spinning is one of the methods of _____ spinning
(i) Chemical (ii) Functional
(iii) Mechanical (iv) Decorative
- 9 Chemical spinning is generally suitable for _____
(i) Staple fibres (ii) Filament fibres
(iii) Strong fibres (iv) Weak fibres
- 10 Complex yams are composed with _____ Yams
(i) Bulk and thin (ii) Long and short
(iii) Base and Binder (iv) Staple and Filament

Cont...

SECTION - B (35 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks

(5 x 7 = 35)

- 11 a Explain the manufacturing process of cotton.
OR
b Narrate the chemical properties of textile fibres.
- 12 a Explain the manufacturing process of casein.
OR
b State the uses of Acetate rayon.
- 13 a Analyze the chemical properties of Acrylic fibres.
OR
b Describe the Texturizing and its uses.
- 14 a Explain about mixing and blending.
OR
b Describe about the carding process.
- 15 a State the importance of doubling.
OR
b Narrate about the Fancy yams

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks

(3 x 10 = 30)

- 16 Classify the textile fibres.
- 17 Discuss about the manufacturing process of viscose rayon and its properties.
- 18 Enumerate the polyester fibre properties.
- 19 Analyse the preparatory process for cotton spinning.
- 20 Summarise the advantages of Rotor spinning.

Z-Z-Z

END