

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2022
(Second Semester)

Branch – COSTUME DESIGN AND FASHION

TECHNICAL TEXTILES

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 Chooses the Meta-Aramid fiber from the following
(i) Composite fibre (ii) Natural fibre
(iii) High performance fiber (iv) Manmade fibre
- 2 Fibre values are prepared by _____
(i) Smart textiles (ii) intelligent (iii) Medical (iv) Industry
- 3 which is important for filter fabrics?
(i) Lustre (ii) Air & Water permeability (iii) Strength (iv) Shrinkage
- 4 The fibre having a ultra violet resistance is _____
(i) Polyethylene fibre (ii) Carbon fibre
(iii) Metal fibre (iv) Glass fiber
- 5 Intelligent textiles are _____
(i) Smart textiles (ii) Medical (iii) Geo (iv) Eco

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Discuss the use of high-performance fibers.
OR
b Explain the high modulus, high-strength fibers.
- 7 a Explain the hygiene products.
OR
b Discuss the medical textile.
- 8 a Determine the application of geotextiles and agricultural textiles.
OR
b Explain testing of gco textiles.
- 9 a State the application of productive clothing.
OR
b Explain the composites.
- 10 a State smart textile applications.
OR
b Discuss the sports uniform in detail.

Cont...

SECTION -C (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks

- 11 a Compare the glass and aramid fibers.
OR
b Elucidate about Scope of technical textiles.
- 12 a Elucidate about the raw materials used in bio & health care textiles.
OR
b Classify the implantation and non-implantation textiles.
- 13 a Elucidate the manufacturing process of Geo-textiles and its properties.
OR
b Enumerate on soil resistance & filtration.
- 14 a Elucidate on water proof breathable fabric.
OR
b Enumerate about filtration and industrial textile.
- 15 a Elucidate sports textiles.
OR
b Interpret camping and hiking.

Z-Z-Z END