

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2022
(Third Semester)

Branch – COSTUME DESIGN AND FASHION

TEXTILE QUALITY ASSURANCE

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Find the fibre parameter represented as micronaire value.
(i) Length (ii) Strength
(iii) Fineness (iv) Impurities
- 2 Which one of the following comes under direct system?
(i) Tex count (ii) Metric count
(iii) English count (iv) Worsted count
- 3 Which property is measured by Kawabata module 4?
(i) Tensile & Shear (ii) Bending
(iii) Compression (iv) Surface friction & Roughness
- 4 Which instrument works on cantilever principle?
(i) Bending length tester (ii) Drapemeter
(iii) Water permeability tester (iv) Shrinkage tester
- 5 Which symbol represents bleaching process in care labelling system?
(i) Circle (ii) Triangle
(iii) Square (iv) Wash Tub

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Discuss the objectives of textile Testing.
OR
b State the atmospheric conditions to be maintained in testing of textile materials.
- 7 a Discuss the influence of FQI on yarn quality.
OR
b Explain about the testing of yarn crimp.
- 8 a Explain about Bio compatibility testing.
OR
b Discuss about fabric skewness.
- 9 a Explain about final audit system.
OR
b Discuss about Techpack analysis.
- 10 a Explain about the assessment of dimensional stability.
OR
b Discuss about testing extensibility.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Interpret the uses of HVI.
OR
b Assess the applications of AFIS.
- 12 a Elucidate the testing of yarn appearance and grading.
OR
b Analyze the working yarn twist tester.
- 13 a Determine the fabric quality parameters required for industrial textiles.
OR
b Differentiate FAST and KES.
- 14 a Evaluate the causes for any three sewing defects.
OR
b Recommend the systems for inspection of woven & Knitted fabrics.
- 15 a Analyze the role of transmission properties on thermal comfort.
OR
b Enumerate the testing of Water repellency.

Z-Z-Z

END