

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2023
(Second Semester)

Branch – COSTUME DESIGN AND FASHION

FUNCTIONAL FINISHING ON TEXTILES/ ADVANCED PROCESSING AND FINISHING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Amylase is the enzyme used for _____.
(i) desizing (ii) scouring
(iii) bleaching (iv) biopolishing
- 2 _____ are hydrophobic finishes that are used to increase the fabric conductivity.
(i) flame retardant finish (ii) anti-static finish
(iii) fragrance finish (iv) water repellent finish
- 3 Triclosan is _____ finish.
(i) fragrance (ii) anti-microbial
(iii) UV finish (iv) water repellent
- 4 Biopolishing uses _____ enzyme.
(i) amylase (ii) catalase
(iii) glucose oxidase (iv) cellulase
- 5 AATCC 70 is the test method for _____.
(i) flame retardancy (ii) water repellency
(iii) air flow method (iv) insect resistance

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a State the types of functional finishes.
OR
b Discuss about soil release finish.
- 7 a Explain about insect repellent finishes.
OR
b Illustrate about radiation protection finishes.
- 8 a Explain about fragrance finishes.
OR
b Discuss about plasma technology.
- 9 a State the advantages of Enzymes.
OR
b Brief about enzymatic desizing.
- 10 a Discuss about the test for absorbency of textiles TM195.
OR
b Brief about the test for insect resistance RA49.

Cont...

SECTION -C (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks

(5 x 6 = 30)

- 11 a Interpret about the finishes for improving comfort.
OR
b Enumerate on the shrink resistant finishes.
- 12 a Elucidate about ballistic protection finish.
OR
b Appraise about flame retardant finish.
- 13 a Criticize about micro encapsulation technology.
OR
b Describe in detail about anti-microbial finishes.
- 14 a Analyze the enzymes used for surface modification and functionalization of synthetic fibres.
OR
b Analyze the applications of enzymes for finishing of technical textiles.
- 15 a Explain about water repellent static absorption test AATCC 21.
OR
b Describe about Moisture Management Test TM 79.

Z-Z-Z

END