

S.No. 50

12 PTFZ 01

(For the candidates admitted from 2012-2013 onwards)

M.Sc. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2014.

Third Semester

Textile and Fashion Design

Elective — TECHNICAL TEXTILES

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer ALL the questions, Choosing either (a) or (b).

1. (a) Discuss the scope of technical textiles.

Or

(b) List the application of non-wovens in technical textiles.

2. (a) Explain the chemical bonding methods used in technical textiles

Or

(b) Explain the meltblown and spunlace techniques involved in bonded fabrics.

3. (a) List out the properties of geo textiles.
Or
(b) Explain the role of geo textiles with reference to soil strengthening.
4. (a) Justify the role of medical textiles in society.
Or
(b) Give a brief account on space textiles.
5. (a) What are the benefits of effluent treatment?
Or
(b) Explain in brief about COD.

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions, Choosing either (a) or (b).

6. (a) Outline the role of newer fibres used in technical textiles.
Or
(b) Explain the production of web formation in bonded fabrics.
7. (a) Elaborate the mechanical and thermal techniques used in bonding methods.
Or
(b) Give a detailed account on finishing of bonded fabrics.

8. (a) Define geo textiles. Explain the natural fibers used for geo textiles.
Or
(b) Give a detailed account on application of geo textiles in roadways.
9. (a) Explain the fibres, fabrics and finishes commonly used in health care textiles.
Or
(b) Explain in detail about protective garments.

10. (a) Give an account on biological oxygen deduction system.
Or
(b) How are effluent treatment plants incorporated in textile dyeing industry? Explain in detail.

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