

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 — ($5 \times 10 = 50$ 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.