

S.No. 100

12PTF03

(For the candidates admitted from 2012-2013 onwards)

M.Sc. DEGREE EXAMINATION, APRIL/MAY 2018.

Second Semester

Textiles and Fashion Designing

TEXTILE CHEMISTRY

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer ALL the questions.

1. (a) Write about cropping and singeing process.

Or

(b) Explain about whiteness index.

2. (a) Write a brief note on Naphthol dyes.

Or

(b) Write a note on properties of acid dye.

3. (a) Describe about printing paste and its ingredients.

Or

(b) Explain about semi-automatic screen printing.

4. (a) Write a brief note on stock dyeing machine.

Or

(b) Write about rotary screen printing.

5. (a) Explain about noise pollution in textile industry.

Or

(b) Write a note on tertiary treatment.

SECTION B — (5 × 10 = 50 marks)

Answer ALL the questions.

6. (a) Explain in detail about desizing and its types.

Or

(b) Write in detail about woven fabric mercerising.

7. (a) Explain in detail about water-insoluble dyes in detail.

Or

(b) Write about natural dyes, its properties and application on suitable material.

8. (a) Describe in detail about different types of tie and dye techniques.

Or

(b) Explain the different methods of stencil printing.

9. (a) Write a detailed note on Jigger dyeing machine. Give a neat diagram.

Or

(b) Explain in detail about roller printing and its merits and demerits.

10. (a) Describe in detail about water pollution, causes and remedies.

Or

(b) Explain about reverse osmosis process in detail.