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Roll No. .....

9439

Printed Pages : 3

BT-4 / M–17

TEXTILE CHEMICAL PROCESSING-II

Paper–TT-206N

Time allowed : 3 hours] *[Maximum marks : 75*

Note : ***Question No. 1 is compulsory.*** *Attempt* ***one*** *question from each of the* **Sections–A, B, C** *and* **D.** *In total* ***five*** *questions are to be answered.*

1. (i) Block printing is a _____ process.

(a) slow (b) fast (c) very fast

(ii) Roller printing is _____

(a) modern (b) recent (c) obsolete

(iii) Rotary printing uses _____

(a) block

(b) screen

(c) engraved metal

(iv) Thickener in printing is used for _____

(a) fluidity (b) viscosity (c) depth

(v) Transfer printing is best suited for _____

(a) cotton (b) wool (c) polyester

(vi) Pigment printing is a _____ process

(a) short (b) long (c) very long

(vii) Sarforizing is a _____ finish

(a) chemical (b) mechanical (c) temporary

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(viii) Poly methyl siloxone is a _____ finish

(a) water-repellent

(b) stain repellent

(c) anti-crease

(ix) Continuous processing gives _____ production

(a) high (b) low (c) medium

(x) Mass coloration is done for _____

(a) cotton (b) wool (c) PP

(xi) Tie and dye is _____ printing

(a) discharge

(b) chemical resist

(c) mechanical resist

(xii) _____ pollution is a major issue in processing

(a) Air (b) Noise (c) Water

(xiii) _____ dye has least light fastness

(a) Vat (b) Indigosol (c) Basic

(xiv) Sublimation fastness is associated with _____ dye

(a) direct (b) acid (c) disperse

(xv) Direct dye has _____ fastness

(a) poor (b) good (c) very good

1×15=15

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Section–A

2. With suitable examples, discuss the different styles of printing. 15

3. Explain the mechanism, recipe and process of pigment printing of cotton. 15

Section–B

4. Give a detailed account of different calendering and sueding / raising machines. 15

5. Why does cotton crease ? Discuss anti-crease finishing of cotton with advantages and disadvantages of various anti-crease chemicals. 15

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Section–C

6. What are the advantages of continuous process over batch process ? Describe a continuous dyeing range used for industrial production. 15

7. Give a brief account of Tie and dye and Batik printing. 15

Section–D

8. In a tabular form, write the identification of dye on textile fibre. 15

9. List out various fastness in coloured textiles and discuss them in brief. 15

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