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Roll No. ....

Printed Pages : 4

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BT-4 / M-14

TEXTILE CHEMICAL PROCESSING-II

Paper-TT-206-A

Time allowed : 3 hours]

[Maximum marks : 100

Note : (i) All questions carry equal marks.

(ii) Question no. 1 is compulsory.

Section-A

1. (i) Most commonly followed printing method is  
(a) Roller printing (b) Block printing  
(c) Screen printing (d) Digital printing
- (ii) Speed of Block printing is  
(a) Slow (b) Moderate  
(c) High (d) Very high
- (iii) What is the medium in which textile printing is done ?  
(a) viscous (b) aqueous  
(c) non-viscous (d) none of these
- (iv) Pigment printing does not require  
(a) catalyst (b) machine  
(c) starch (d) binder
- (v) Compared to other printings, pigment printing is  
(a) lengthy (b) very lengthy  
(c) short (d) none of these

- (vi) Shriner calendering is finish of what type  
(a) temporary (b) semi-durable  
(c) durable (d) chemical
- (vii) In which machine is pre-shrink treatment given ?  
(a) calender (b) sanforizer  
(c) raising machine (d) J-Box
- (viii) What type of finishing is sueding ?  
(a) thermal (b) chemical  
(c) temporary (d) mechanical
- (ix) Anticrease finish is normally given to  
(a) cotton (b) silk  
(c) nylon (d) acrylic
- (x) CBR is used for continuous .....  
(a) brushing (b) scouring  
(c) bleaching (d) dyeing
- (xi) Mass coloration is done for  
(a) acrylic (b) cotton  
(c) linen (d) PP
- (xii) What style of printing is Batik printing ?  
(a) resist (b) discharge  
(c) direct (d) digital
- (xiii) Rubbing fastness is also known as  
(a) cockling (b) crocking  
(c) dragging (d) brushing

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(xiv) Sulphur dye on cotton gives shades that are

- (a) bright (b) light  
(c) dull (d) very light

(xv) Ratings for perspiration fastness ranges between

- (a) 1 to 5 (b) 1 to 3  
(c) 2 to 7 (d) 1 to 8

(xvi) What is sublimation fastness?

(xvii) Name some durable chemical finishes.

(xviii) What is dope dyeing?

(xix) Why is perspiration fastness tested in alkaline as well as acid solution?

(xx) List out some antcreasing agents.  $1 \times 20 = 20$

#### Section-B

2. Briefly discuss the various methods of printing with their advantages and disadvantages. 20

or

3. Explain the mechanism of pigment printing with recipe and application procedure. 20

#### Section-C

4. Give an account of foam finishing technology explaining the various options available in it. 20

or

5. Write in brief some of the durable chemical finishes applied on textiles. 20

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#### Section-D

6. Explain in detail the machinery for continuous pretreatment of textile fabrics in industrial set up. 20

or

7. Describe in detail the principle, technology and process of mass coloration. 20

#### Section-E

8. Give your comments on eco-friendly processing, effluent generation in chemical processing and its treatment. 20

or

9. Write notes on :

(a) Identification of dyes on natural fibres.

(b) Perspiration fastness test.  $10 \times 2 = 20$

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