

MJ23

ROLL NO: 1613-2344-4632
J&K BOARD OF TECHNICAL EDUCATION

Class : 4th Semester
Branch : Textile Designing
Time : 3 Hrs

Subject: Printing Technology-II
Maximum Marks: 100

NOTE: Attempt any five questions. All questions carry equal marks

- Q.1 a) Explain the process of preparation of Screen by photochemical method? (10)
b) How the hardening of screen for rotary screen is done? (10)
- Q.2 a) Explain the process of printing involving white discharge on color ground (cotton) (10)
b) Discuss functions of various chemicals used in the process? (10)
- Q.3 a) Explain the process of printing involving color discharge on color ground (cotton) (10)
b) Discuss the functions of various chemicals used in the process? (10)
- Q.4 a) Explain the process of printing involving white discharge on naphthol ground (cotton) (10)
b) Discuss the functions of various chemicals used in the process? (10)
- Q.5 Explain the process of printing involving pigment resist under ramazol dye ground (cotton) functions of various chemicals used in the process? (20)
- Q.6 a) What are the characteristics of paper used in Transfer Printing. (10)
b) Compare different methods of transfer printing? (10)
- Q.7 a) What are the different methods of resist printing? (10)
b) Make a critical comparison of each one? (10)
- Q.8 Explain the process of printing involving color discharge on naphthol ground (cotton) and functions of various chemicals used in the process? (20)
- Q.9 Write note on (any two) (10x2)
- a) Melt Transfer Printing
 - b) Wet Transfer Printing
 - c) Dry Heat Transfer Printing
 - d) Film Release Transfer Printing
- Q.10 a) Comparison of discharge style of printing with Resist style of printing? (10)
b) Discuss versatility and applicability discharge and Resist style of printing on fabric? (10)

ROLL NO: 1613-2314-46322

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J&K BOARD OF TECHNICAL EDUCATION

Class : 4th Semester
Branch: Textile Designing
Time : 3 Hrs

Subject: Dyeing Technology-II
Maximum Marks: 100

NOTE: Attempt any five questions. All questions carry equal marks

Q.1 a) Explain the process of dyeing of Acrylic with Basic dyes with Retarder? (10)

b) Explain the process of dyeing of Acrylic with Basic dyes without Retarder? (10)

Q.2 Explain the process of dyeing of Wool with Acid dyes? (10)

b) Discuss the effect of acid, Salt, Temperature and M:L during the Dyeing? (10)

Q.3 Explain the Principle and the working of Jigger Machine along with the controlling parameters? (20)

Q.4 Explain the Principle and the working of Jet dyeing Machine along with the controlling parameters? (20)

Q.5 a) Explain the Principle and the working of HTHP beam dyeing Machine? (10)

b) What defects can be produced the fabric if precautions are not taken in HTHP machine? (10)

Q.6 a) Explain the process of dyeing of Wool with 1:2 metal complex? (10)

b) Discuss the effect of salt and M:L during the Dyeing with 1:2 metal complex? (10)

Q.7 Explain the working mechanism of Effluent treatment plant used in Textile Chemical Processing industry. (20)

Q.8 Explain the process of dyeing of Polyester with Disperse dyes by carrier method and without carrier and its effect on shade? (20)

Q.9 Explain the process of dyeing of nylon with Acid dyes? (10)

b) Discuss the effect of Temperature and timing on the dyeing of nylon with acid dye? (10)

Q.10 Write Short note on (any two) (10)

a) Pre Chrome method (10x2)

b) After Chrome method

c) Hank Dyeing

d) Stock Dyeing

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J&K BOARD OF TECHNICAL EDUCATION

Class : 4th Semester
Branch : Textile Designing
Time : 3 Hrs

Subject: Structural Fabric Design-IV
Maximum Marks: 100

NOTE: Attempt any five questions. All questions carry equal marks

- ~~Q1~~ Give the Design, Drafting and Lifting Plan of 3-pick and 4-pick terry fabric? (20)
- ~~Q2~~ Give the Design, Drafting and Lifting Plan of plain warp pile fabric of any repeat size? (20)
- ~~Q3 a)~~ Explain the formation of pile in terry pile fabric? (10)
- ~~b)~~ Explain the formation of pile in warp pile fabric produced with wire? (10)
- Q4 Give the Design, Drafting and Lifting Plan of Twill weave based velveteen (20)
- ~~Q5~~ Give the Design, Drafting and Lifting Plan reversible warp pile fabric of any repeat size? (20)
- Q6 Give the color and weave effect of (any two) (10, 10)
- a) Hound Tooth
 - b) Hairline
 - c) Crow foot
 - d) Step Pattern
- ~~Q7~~ Give the design, drafting plan and lifting plan of twill based Wadded Bedford cord weave of any repeat size? (20)
- ~~Q8~~ Give the Design, Drafting and Lifting Plan of a wadded fast pick welt structure of any repeat size? (20)
- Q9 (a) Write the features of Welts and piques. (10)
- (b) Give Design and Drafting plan of a Wadded loose pick welt structure of any repeat size? (10)
- Q10 Give the Design, Drafting and Lifting Plan of pique Structure of any repeat size? (20)