SARDAR PATEL UNIVERSITY

M.Sc.(H.Sc.)(III Sem.)(TC) Examination (CBCS)

Wednesday, 5/12/12

Time: 2.30 P.M. to 5.30 P.M.



	PH03CTCL01: Textile Dyeing and Finishing	
	Sept. Sect. Control of the Control o	Maximum marks: 70
Note:	Figures on the right indicate marks allotted to each question.	
Q 1	Multiple Choice Question (Choose the correct answer)	(08)
1.	Application of china clay on fabric is classified as a	
	(a) Durable mechanical finish	
	(b) Durable chemical finish	
	(c) Temporary filling finish	
	(d) Temporary chemical finish	
2.	The wavelength of visible light ranges from	
	(a) 390 nm to 700 nm	
	(b) 300 nm to 730 nm	
	(c) 370 nm to 700 nm	
	(d) 390 nm to 730 nm	
3.	Rods (nerve cells) present in the eyes are responsible for	
	(a) Vision at dusk or night	
	(b) Vision during day time	
	(c) Vision in artificial light	
	(d) Vision in colored light	

- (a) 2 to 11
- (b) 3 to 12
- (c) 4 to 13
- (d) 5 to 14
- To close fabric intersects _____ finishing is done.

A calander machine usually consist of number of rollers.

- (a) Mercerization
- (b) Sanforization
- (c) Beetling
- (d) None of the above
- 6. Worsted fabrics are finished to
 - (a) Improve dye ability
 - (b) Clarify weave
 - (c) Obscure weave pattern
 - (d) Introduce scroop
- 7. Textiles can be given fire proof finish by
 - (a) Sodium stannate and ammonium sulphate
 - (b) Sodium silicate and ammonium hydroxide
 - (c) Sodium carbonate and ammonium sulphate
 - (d) Sodium stannate and ammonium hydroxide
- 8. Wet fastness of direct dyes can be improved by
 - (a) Treatment with common salt
 - (b) Treatment with mordant
 - (c) Diamalyazation
 - (d) Diazotization

(6)

Q2 1	Explain any SEVEN of the following:)
1.	Water soluble dyes	
2.	Colour matching booth	
3.	Reactive dyes	
4.	Natural mordant dyes	
5.	Carbonizing	
6.	Cire finish	
7.	Beetling machine	
8.	Permanent finish	
9.	Textile finishing	
7.	Textile illustring	
Q 3(a)	What factors are considered before deciding which finishing treatments should be given to textiles'	? (6)
	What is the difference between aesthetic and functional finish. Explain giving suitable examples. OR	(6)
(b)	Describe in detail mercerization process.	
O 4(a)	Explain, "Optical density is directly proportional to the concentration of the dye solution"	(6)
× 1(4)		(6)
(b)		(0)
	OR	(6)
(b)	Explain the procedure for dyeing of cotton with basic dyes.	(4)
O 5(a)	Write in brief on any ONE of the following:	(12)
Q 3(a)	write in order on any order of the same	
1.	Synthetic resins and finishing of pile fabrics	
2.		
Q6	Write short notes on any TWO of the following:	(12)
	Latest developments in natural dyes	
2.		
3.	at the transfer of the description of the transfer of the tran	
4.		
5. 6.		
0.	Interconates in texture providents	