

Master's Degree Examination – November 2018
Semester I

Class : I PG
Major : Bio-Textiles

Time : 3 Hours
Max. Marks : 60

17MBXC03 Textile Wet Processing

Part – A

Choose the Correct Answer 10 x ½ = 5

1. The common wet processing suitable for cotton fibrous material is _____.
a) Ginning b) scouring c) Spinning d) Weaving
2. The wet processing suitable for silk is _____.
a) Winding b) Mercerizing c) Knitting d) Degumming
3. Select the commercial dye suitable for dyeing cotton, silk and wool fabrics
a) Vat dye b) Sulphur dye c) Reactive dye d) Disperse dye
4. Choose the ingredient decides the printing process
a) Thickener b) Leveling agent c) Exhausting agent d) Foaming agent
5. Pick up the process which imparts uniform appearance and shining to the cotton Fabric
a) Grabbing b) Decanting c) Raising d) Calendaring
6. Identify the process which is used to remove the unwanted raised fibers
a) Giggling b) Shearing c) Napping d) Raising
7. The textile finishing which prohibits both water and air inside its structure is _____.
a) Water proof b) Water repellent c) Water liking d) Water hating
8. Wash-n-wear type of finishing is given usually to cotton garments to avoid _____.
a) Smoothness b) Pilling c) Wrinkles d) Roughness
9. Pick up the eco-textile among the following
a) Polyacrylonitrile b) Cotton c) Polyester d) Polyurethane
10. Specify the textile dye which is not in use due to German Ban
a) Reactive dye b) Vat dye c) Disperse dye d) Azoic dye

Part – B
Answer the following **5 x 4 = 20**
Answer should not exceed 200 words or one page

- 11a. Provide the wet processing sequence for woven cotton fabric.
(or)
- 11b. Comment about the important requirements of post dyeing processing.
- 12a. Specify the important characteristics of dyes suitable for natural textile fibers.
(or)
- 12b. How will you prepare printing paste?
- 13a. Justify suitably about the important aspects of Crabbing.
(or)
- 13b. Give a brief description about the moiering and raising processes.
- 14a. Justify the importance and application of silk weighting process.
(or)
- 14b. Specify in a proper way about the requirement of plasma finishes.
- 15a. Present the German ban on toxic dyes and chemicals used for textile processing.
(or)
- 15b. Specify on the proper Eco standards for the textile materials.

Part – C
Answer the following **5 x 7 = 35**
Answer should not exceed 600 words or three pages

- 16a. Enumerate the principle and mechanism of scouring process on cotton fibers.
(or)
- 16b. Discuss on the wet processes carried out on polyester fabric.
- 17a. Explain in a suitable way about the resist style and discharge style of printing.
(or)
- 17b. Summarize the uniqueness of digital printing and photo printing processes.
- 18a. How are the calendaring and stentering processes and carried out?
(or)
- 18b. Give a neat description about the schrenerizing and embossing processes.
- 19a. Summarize the performances of the sanforizing and water proofing processes.
(or)
- 19b. Give an elaborate description about the softening and durable press finishing processes.
- 20a. Elaborate on the important aspects of of eco auditing and eco labeling.
(or)
- 20b. Give a suitable description regarding the High Performance Liquid Chromatography.
