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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(FD) (2013 to 2017) (Sem.-2)**DYEING AND PRINTING****Subject Code : BSc FD-211****Paper ID : [A2604]****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTION TO CANDIDATES :**

1. **SECTION-A is COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTIONS-B** consists of **THREE** Sub-sections : **Units-I, II & III.**
3. Each Sub-section contains **TWO** questions, carrying **TEN** marks each.
4. Student has to attempt any **ONE** question from each Sub-section.

SECTION-A**1. Attempt all questions in brief :**

- a) Skein Dyeing.
- b) Light fastness of Pigment dyes.
- c) Dyeing impurities.
- d) Dyeing barriers.
- e) List down the various stages of dyeing.
- f) What do you mean by blend dyeing?
- g) List a few environment issues related to dyeing.
- h) Grey Fabric.
- i) Mercerization.
- j) What is dye Molecule?

- k) List various types of printing.
- l) Write a note on Natural dyes.
- m) Scouring.
- n) Bleeding.
- o) Dye ability.

SECTION-B

UNIT-I

- 2. Characteristics and classification of impurities occurred during and after dyeing and printing.
- 3. Differentiate between Grey Fabric and Finished fabric in respect of their properties.

UNIT-II

- 4. Explain Acid dyes, its procedure, molecular configuration and their properties.
- 5. Classify dye on the basis of their suitability for different fibres. Why dyes are suitable for application to cotton and other cellulosic fibres and why?

UNIT-III

- 6. Elaborate the mechanism of various methods of transfer printing. Also illustrate the diagrammatic procedure of the same.
- 7. Define printing and explain various printing techniques with their limitations and advantages.