

questions out of three questions. (2x8=16)

- Q.23 Discuss sustainability issues in current textile production and suggest their remedies ?
- Q.24 Define enzyme. Discuss their source, types and application mechanism ?
- Q.25 Explain supercritical Co₂ dyeing with the help of a diagram ?

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Roll No.

6th Sem / Textile Processing

Subject : Sustainable Textile Wet Processing

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 _____enzyme is used in bio-polishing ?

- a) Amylase b) Pectinase
c) Xylanase d) Cellulase

Q.2 _____ is the source of chromium contamination in ETP?

- a) Metal complex dyes b) Direct dye
c) Reactive dye d) All

Q.3 Following is a type of banned dye ?

- a) Indigo b) Nitroso
c) Anthraquinone d) Azo

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Q.4 _____ Enzyme can strip from substrate ?

- a) Cellulase b) Peroxidase
- c) Ketonase d) Amylase

Q.5 _____ causes high BOD ?

- a) Desizing b) Dyeing
- c) Bleaching d) Boiling

Q.6 _____ gas can be use in sustainable pretreatments ?

- a) Chlorine b) Ozone
- c) Nitrogen d) Oxygen

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Name any one greener dyeing process ?

Q.8 Name any one greener printing process?

Q.9 Lock and key mechanism is related with ?

Q.10 Name a tertiary treatment in ETP ?

Q.11 Name a coagulant used in treating effluent ?

Q.12 Name a dye which do not require salt ?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Explain the of triple bottom line ?

Q.14 Enlist various harmful susbstances used in textile industry ?

Q.15 Write a note on ozone assisted pretreatments ?

Q.16 Explain the role of recycling in enzymes in wet processing ?

Q.17 Write any four advantages of enzymes in wet processing ?

Q.18 Discuss about the concept of salt free dyeing ?

Q.19 What is the use of plasma technology in textile processing ?

Q.20 What are alternate ways to reduce water load in processing ?

Q.21 Discuss the E-control in textile chemical processing?

Q.22 How to achieve zero discharge in wet processing ?

SECTION-D

Note: Long answer type questions. Attempt any two