

Q.24 Explain H-acid, Tobias acid, Koach acid, J-acid, Gamma Acid with structures.

Q.25 End list the various classifications of dyes based on their applications and give a brief about their properties and characteristics also.

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Roll No.

2nd Sem / Textile Processing

Subject : Dyestuff Chemistry

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Reactive dye makes _____ bond with cellulosic fibers.

- a) Covalent bond
- b) Vander wall forces of attraction
- c) H-bond
- d) None of these

Q.2 Which one is the example of chromophore in dyes?

- a) Hydro
- b) Bromo
- c) Flouro
- d) NItroso

Q.3 Which is water soluble dyes?

- a) Reactive dyes
- b) Acid Dyes
- c) Direct dyes
- d) All of these

Q.4 Amination is introduction of _____ group.

- a) $-H_2O$ b) $-NO_2$
- c) $-NH_2$ d) $-Cl$

Q.5 Sources of Coal Tar dyes

- a) Petroleum product b) Vegetable
- c) Animal d) None of them

Q.6 Colour is described by

- a) Hue b) Brightness
- c) Strength d) All of these

SECTION-B

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

Q.7 Give an example of any one dye having Nitro Group.

Q.8 Visible region is _____

Q.9 Draw the structure of aniline

Q.10 Chemical formula of Phenol.

Q.11 Name the first Synthetic dye.

Q.12 When the first synthetic direct dye was invented?

SECTION-C

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

Q.13 What are the characteristics of dye molecule for colouration of textile.

Q.14 Write a short note on hypochromic effect.

Q.15 Explain in modern theory of colour.

Q.16 Write structure of Nitro dyes, Nitroso dyes, Azo dyes, Indigo dyes, Anthraquinone dyes.

Q.17 Give in brief history of natural dyes.

Q.18 What is color? What is additive color mixing and subtractive color mixing?

Q.19 Explain in brief the process of Sulphonation.

Q.20 Write a short note on visible region of light.

Q.21 Write short note on classification of chromophores.

Q.22 What are effects of bonding on different dye with fiber?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 What are the various theory of dyes explain them in details.