

- Q.24 Mention 4 properties of Sulphur dyes.
- Q.25 Mention 4 properties of Vat dyes.
- Q.26 What are exhausting agents? Name any 2.
- Q.27 Differentiate between dye and colouring matter.
(Any 2)
- Q.28 Differentiate between water soluble and water insoluble dyes. (Any 3).
- Q.29 Mention 4 properties of Reactive colors.
- Q.30 Classify Reactive dyes.
- Q.31 What is role of alkali in reactive dye?
- Q.32 What is the principle of dyeing of Indigo Sols?
- Q.33 Why soaping is not done in direct dyed sample.
- Q.34 Write recipe for dyeing of cotton with direct dye.
- Q.35 Write advantages of direct dye.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 What is mechanism of direct dye to cotton Mention its any 4 merits.
- Q.37 Explain the Dyeing of cotton with cold brand reactive dyes.
- Q.38 Explain in brief the classification of dyes.

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SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The first dye synthesized was
 a) Basic dye b) Direct Dye
 c) Acid Dye d) None of these
- Q.2 Congo Red Belongs to
 a) Basic dye b) Direct Dye
 c) Acid Dye d) None of these
- Q.3 Indigo belongs to
 a) Reactive dye b) Vat dye
 c) Azoic colour d) Acid dye
- Q.4 Coal Tar dyes are
 a) Natural dye b) Synthetic dyes
 c) Both (a) & (b) d) None of these

Q.5 Cellulose has affinity for

- a) Acid dye
- b) Metal complex dyes
- c) Direct dye
- d) All of these

Q6 Soda ash is

- a) Acid
- b) Alkali
- c) Dye
- d) None of these

Q.7 Colour providing groups are

- a) Cromophores
- b) Auxochromes
- c) Both (a) & (b)
- d) None of these

Q8 Ingrain dyes are

- a) Azoic colours
- b) Mineral colours
- c) Oxidation colour
- d) All of these

Q.9 Substantive dyes named as Direct dyes are

- a) Anionic dyes
- b) Cationic dyes
- c) Non ionic dyes
- d) None of these

Q.10 Glaubers salt is used as

- a) Levelling agents
- b) Carriers
- c) Exhausting agents
- d) None of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Name First Basic dye.

Q.12 Name First Direct dye.

Q.13 Who discovered first synthetic dye?

Q.14 Give two examples of Auxochromes.

Q.15 Azoic dyes are prepared by _____ & _____.

Q.16 Main source of light is _____.

Q.17 Basic dyes has _____ (affinity / no affinity) for cotton.

Q.18 Turmeric is a natural dye (True/False)

Q.18 Cotton has affinity for acid dyes. (True/False)

Q.20 Cotton is easily damaged by strong alkali. (True/False)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Mention 5 properties of Direct dyes.

Q.22 Define affinity and exhaustion.

Q.23 What is role of water in dyeing?