

Q.24 How Dyes are classified based on chemical constitution?

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Q.25 Explain Fractional Distillation of Coal Tar?

**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 Substrate in textile means?

- a) Fibre
- b) Yarn
- c) Fabric
- d) All of the above

Q.2 Chromophores are colour \_\_\_\_ Groups?

- a) Helping
- b) Bearing
- c) Loosing
- d) None of the above

Q.3 Which of the following is a halogen?

- a) Chlorine
- b) Hydrogen
- c) Helium
- d) Nitrogen

Q.4 Which of the following is an acid

- a) Caustic
- b) Soda ash
- c) Ammonia
- d) Acetic

Q.5 Auxochromes are colour \_\_\_\_ groups?

- a) Hating
- b) Helping
- c) Loosing
- d) None of the above

Q.6 Pigment does not contains?

- a) Luster
- b) Auxochromes
- c) Strength
- d) Shine

### SECTION-B

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

Q.7 Write structures of phenol?

Q.8 Draw structure of Naphthalene?

Q.9 OH group stands for?

Q.10 Name any two Ingrain dye?

Q.11 List any two forces available in dyestuff?

Q.12 Nitration is introduction of \_\_\_\_ group?

### SECTION-C

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

Q.13 List various forces responsible for dyestuff application?

Q.14 Write reaction of K Acid?

Q.15 What is the function of Auxochrome?

Q.16 Write theory of dyeing of dye on textile material

Q.17 Classify dye based upon colouring matter

Q.18 What is diazotisation?

Q.19 Write reaction of Tobias Acid.

Q.20 What are Intermediate process?

Q.21 Write reaction of Chicago Acid

Q.22 Explain any one dyestuff intermediate process?

### SECTION-D

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

Q.23 Explain Witt's theory of colour?