

Printed Pages : 2



1605

92

~~92~~

EC-502

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 160504

Roll No.

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

SEMESTER-V EXAMINATION-2015
CHEMISTRY OF DYES & COLOUR
CHEMISTRY

Time : 3 Hours]

[Total Marks : 100

Note: Attempt all questions. All questions carry equal marks.

1. Attempt any **two** question : (6x2=12)
- Discuss the preparation of sulphonic products. Describe the mechanism of sulphonation of aromatic compounds.
 - Describe the vapour phase sulphonation and liquid phase sulphonation with examples.
 - Give the preparation of Naphthionic acid.

2. Attempt any **two** parts of the following: (6x2=12)
- What are the various chemical groups responsible for color in dyestuffs? Give the general formula and typical dyestuff of each group.
 - What are chromophores, chromogens and auxochromes? Give examples.
 - How amino groups are introduced in the aromatic ring? Give details with examples.
3. Answer any **two** of the following: (6x2=12)
- Classify dyes according to Chemical Constitution.
 - Discuss the importance of quantitative testing of dyes and its procedure.
 - Differentiate between Azoic dyes and Azo dyes. Discuss the stability and abnormalities in preparation of azo dyes.
4. Attempt any **two** of the following: (7x2=12)
- Establish a relationship between colour and chemical constitution.
 - What are the various Chromophoric groups present in Vat dyes?
 - What are Anthraquinone dyes and how they are prepared?

-x-

160504]

(1)

[Contd...

160504]

(2)

25