



DMM-1567

M. Sc. (Sem. IV) Examination
March / April - 2016
Organic Chemistry : Paper - IV
(Dyes & Intermediates - II)

Time : 3 Hours]

[Total Marks : 70

Instruction :

(1)

नीचे दर्शायेख निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="M. Sc. (Sem. IV)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Organic Chemistry : Paper - IV"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="6"/> <input type="text" value="7"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="Nil"/>	

(2) Figures to the right indicate full marks of the questions.

- 1 Answer any **two** of the following : 18
- (A) Describe anthraquinone acid dyes.
- (B) Describe anthraquinone vat dyes base on imidazole, pyrazolanthrone, and benzanthrone derivatives
- (C) Give synthesis of:
- (i) Anthracene Blue SWX.
- (ii) Indanthrene khakhi 2G.
- (iii) Caledon Jade Green XBN.
- (iv) Celliton Fast Blue FFG.
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- 2 Answer any **two** of the following : 18
- (A) Describe sulphur dyes.
- (B) Give an account of TPM dyes
- (C) Give Synthesis of:
- (i) Acid Yellow 73.
- (ii) Malachite Green.
- (iii) Procion Brilliant Blue MR.
- (iv) Acid Black 1.

- 3** Answer any **two** of the following : **18**
- (A) Give an account of dyes for non textile application.
 - (B) Describe cationic dyes.
 - (C) Give Synthesis of:
 - (i) Bismark Brown.
 - (ii) Chrysodine Y.
 - (iii) Sunset Yellow FCF.
 - (iv) Indanthrene Brilliant Pink R.
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- 4** Answer any **two** of the following : **16**
- (A) Write note on anthraquinone solubilized Vat dyes.
 - (B) Write note on reactive dyes.
 - (C) Describe indigo and thioindigo dyes.
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