



**JBJ-014-1043001**      Seat No. \_\_\_\_\_

**M. P. M. (Sem. III) Examination**

**December - 2019**

**Pharmaceutical Organic Chemistry - II**

**Faculty Code : 014**

**Subject Code : 1043001**

Time : 3 Hours]

[Total Marks : 75]

**Instructions :** (1) Figures to the right indicate marks.  
(2) Draw neat and clean diagram when required.

**1** Answer the following questions : **10×2=20**

- (1) Structure and uses of DDT.
- (2) Define Ester value with its significance.
- (3) Define Reichert Meissl (RM) value with its significance.
- (4) Comment : Para chloro aniline is less basic than aniline.
- (5) Give Structure and use of BHC
- (6) Give brief description of Hoffman degradation of amide with suitable example.
- (7) Structure and use of Cresol.
- (8) Write Structure and medicinal use of Anthracene.
- (9) Give detail mechanism for Friedel craft alkylation reaction of benzene.
- (10) Draw the structure of saccharin.

**2** Answer any **two** out of the following questions : **2×10=20**

- (1) Write detail note on Physical Properties and chemical reactions of Phenol.
- (2) Discuss about orbital picture of Benzene, write a note on Huckel's rule and write chemical reactions of benzene.

**3 Answer any **seven** out of the following questions :  $7 \times 5 = 35$**

- (1) Write a short note on Bayer Strain theory.
- (2) Discuss the basicity of Aromatic amine and write effect of Substitution on basicity.
- (3) Explain Iodine number in detail.
- (4) Write a brief note on reactions of Aromatic amines.
- (5) Write detail note on saponification value.
- (6) Detail chemical reactions of Benzoic acid.
- (7) Write a short note on chemical reaction of fatty acids.
- (8) Give detail mechanism of Kolbe and Riemer-Tiemann reaction.

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