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FACULTY

B. Pharmacy 2/4 II Sem. (Non CBCS) (Backlo) Examination, July 2019

Subject: Pharmaceutical Oranic Chemistry II

Time: 3 Hrs Max. Marks: 70

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

1.	(a) Explain the mechanism of sulphonation and Friedel crafts alkylation.(b) Explain in detail 4n+2 rule and aromaticity. OR	8 6
2.	(a) Add a note on Heats of hydroenation.(b) Write the structure and electrophillic reactions of Napthalene.	6 8
3.	(a) Explain in detail abt Optical isomerism.(b) Explain Sequence rules to determine R and S confiuration.OR	7 7
4.	(a) Explain in detail abt Cis Trans isomerism.(b) Define and explain Elements of symmetry.	8 6
5.	(a) Discuss the method of preparation and electrophillic substitution reactions of Thiophene.	10
	(b) Write the structure and specific uses of dru compnds containin Pyridine and Indole. OR	4
6.	(a) Explain the reactions of Pyrrole.(b) Discuss the Oxidation reactions of Quinoline and Isoquinoline.	8 6
7.	(a) Write any two method of preparations of Benzimidazole and Phenothiazine.(b) Write the structure and specific uses of dru compnds containin	8
	i) Phenam ii) Cepham iii) Triazole. OR	6
8.	(a) Write the method of preparation and reactions of Pyrazole.(b) Write the structure and specific uses of dru compnds containin	8
	i) Oxazine ii) Benzofuran iii) Tetrazole	6
9.	(a) Describe the mechanism of the followin reactions. i) fries miration ii) MPV reduction	8
	(b) Write two applications of Lithium aluminum hydride and Lead tetra acetate. OR	6
10.	(a) Write two applications of Selenium oxide and Perchloric acid.(b) Describe the mechanism of the followin reactions.i) Beckmann rearranement ii) Birch reduction.	6 8
