

QP CODE:104326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
February 2021**

Pharmaceutical Organic Chemistry

Time: 3 Hours

Total Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Write equation wherever necessary.*

Essay

(3x10=30)

1. Enumerate the types of elimination reactions with one example.
2. Explain about any three condensation reaction and its mechanisms
3. Explain addition mechanism to conjugate reaction and add on about stability of allylic reaction

Short notes:

(8x5=40)

4. Discuss in general and mechanism of Hoffman rearrangement
5. Compare the basicity of primary, secondary and tertiary amine
6. Friedal craft acylation vs alkylation reaction
7. Discuss about different types of bonds in organic molecule
8. Explain the IUPAC nomenclature for alcohols
9. Compare the oxidation reaction vs reductive reaction with an example
10. Add note on Bayer strain theory
11. Protic and aprotic solvents.
