

Q.P. Code 104008

Reg. No.:.....

**First B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations
April 2022**

Pharmaceutical Chemistry

Time: 3 hrs

Max marks: 100

- *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*
- *Draw Diagrams wherever necessary • Write equations wherever necessary*

Essays

(2x10=20)

1. Give general methods of preparation and reactions of Alcohol.
2. Explain Friedel- Craft reactions in aromatic compound.

Short notes

(10x5=50)

3. Give preparations and reactions of Alkynes.
4. Properties and uses of cyclopropane.
5. Explain structure of benzene and its aromaticity.
6. Give reactions of Aryl halides.
7. Different tests to distinguish between aldehyde and ketone.
8. Explain Gutzeit test.
9. Give preparations and reactions of Diazonium salt.
10. Define hybridization. Explain SP² hybridization with example.
11. Explain NMR spectroscopy.
12. Give occurrence and properties of sulphur.

Answer briefly

(10x3=30)

13. Explain covalent bond
14. Mechanism of esterification.
15. Explain Aldol condensation.
16. Applications of UV spectroscopy.
17. Give uses of Ammonium chloride and Borex.
18. Explain inductive effect.
19. Give reactions of nitrocompound.
20. Give structure of;
 - 2,4 –Dimethyl pentane • 4-Bromopentanoic acid • 1-Methy Cyclohexane.
21. Give conversion from acid to anhydride.
22. Explain acidity of phenol
