

[LB 804]

OCTOBER 2012
PHARM. D DEGREE EXAMINATION
FIRST YEAR
PAPER IV – PHARMACEUTICAL ORGANIC CHEMISTRY
Q.P. Code : 383804

Sub. Code: 3804

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.)(Max.)(Max.)

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|--|----|----|----|
| 1. Explain the mechanism of Nucleophilic aromatic substitution reactions, orientation and reactivity of benzene. | 17 | 40 | 20 |
| 2. Give the reactions of alkenes. | 17 | 40 | 20 |

II. Write notes on :

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|--|---|----|---|
| 1. Phase transfer catalysis. | 4 | 10 | 6 |
| 2. SN1 vs. SN ₂ . | 4 | 10 | 6 |
| 3. Write the preparation of alkyl halides. | 4 | 10 | 6 |
| 4. Fries rearrangement. | 4 | 10 | 6 |
| 5. Give the addition reactions of conjugated dienes. | 4 | 10 | 6 |
| 6. Reformatsky reaction. | 4 | 10 | 6 |
| 7. Explain peroxide effect. | 4 | 10 | 6 |
| 8. 4n+2 rule. | 4 | 10 | 6 |
| 9. Sandmeyer reaction. | 4 | 10 | 6 |
| 10. Write the preparations of Carboxylic acids. | 4 | 10 | 6 |
