

Unit III

5. Write notes on the following : $3 \times 5 = 15$
- Claisen Condensation
 - Porbin reaction
 - Oxidation alcohols to ketones.
6. Write briefly about the following : $3 \times 5 = 15$
- Reformantsky reaction
 - Aldol condensation
 - Alcoholysis of esters.

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No. of Printed Pages : 05

Roll No.

C-65

B. Tech. EXAMINATION, Dec 2018

(Third Semester)

(B. Scheme) (Main & Re-appear)

(BT)

BT209B

ORGANIC CHEMISTRY

Time : 3 Hours

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. All questions carry equal marks.

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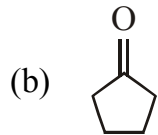
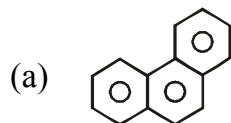
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Unit I

1. Explain briefly about the following :

- (a) No-bond resonance **5**
- (b) Substitution reaction **5**
- (c) Cope rearrangement. **5**

2. Write IUPAC nomenclature of the following :



- (c) $\text{CH}_3\text{CH}_2\text{C} \equiv \text{N}$
- (d) $\text{BR}-\text{CH}_2\text{CH}_2\text{CH}_2-\text{NO}_2$
- (e) $\text{H}-\text{COOH}$
- (f) CH_2ONO . **2½×6**

Unit II

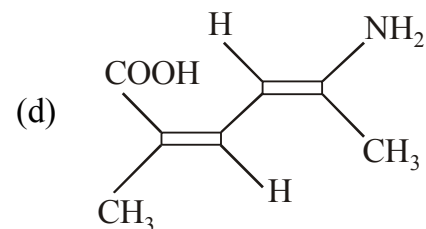
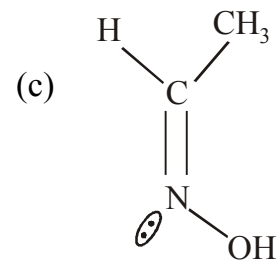
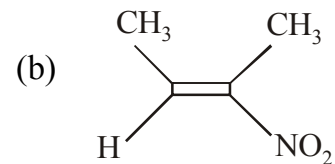
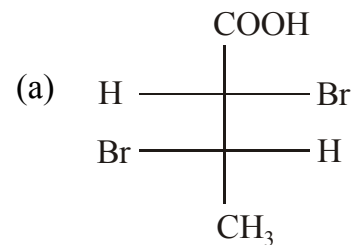
3. Write notes on the following : **3×5=15**

- (a) Wittig reaction
- (b) Tautomerism
- (c) Crown ethers.

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4. Give absolute configuration of the following : **2½×6**



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P.T.O.

Unit IV

7. Give a brief account on the following : $3 \times 5 = 15$
- (a) Urea formaldehyde resins
 - (b) Elastomers
 - (c) Epoxy resins.
8. Give applications of the following reducing agents : $2\frac{1}{2} \times 6 = 15$
- (a) Ni
 - (b) Diimide
 - (c) LiAlH_4
 - (d) Pt
 - (e) H_2
 - (f) NaBH_4 .

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