

Set - II

DRAVIDIAN  **UNIVERSITY**

Directorate of Distance Education (DDE)

KUPPAM – 517 426:: A.P.

Course: II year M.Sc. (Chemistry)

Paper – I: Organic Chemistry.

Question Paper for Assignment

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Explain briefly frank-Condon principle with an example?
2. Write an essay on cycloadditions-antarafacial and suprafacial additions?
3. Explain the application and synthesis of Grignard reagent?
4. Explain Beckmann rearrangement with its mechanism?
5. Write a note on catalytic hydrogenation with a suitable example?

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Paper – II: Heterocyclic Chemistry Chemotherapy

Question Paper for Assignment

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Write about the nomenclature, synthesis and reaction of indole?
2. Write about synthesis and activity quinacrine?
3. Explain the synthesis and activity of Tetracycline?
4. Write a note on vitamin B6 and Nicotinic acid?
5. Explain the structure and synthesis of PGE2?


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Paper – III: Polymers, Bio-Ploymers
Question Paper for Assignment

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Write is polymer? Write the different types of polymers?
2. Write about solid phase peptide synthesis?
3. Explain the structure of RNA?
4. Write the classification, functions and uses of Enzymes with examples?
5. Write about synthesis of Vitamin D?



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Paper – IV: Natural Products.

Question Paper for Assignment

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Explain the synthesis and structure of quinine?
2. Explain the synthesis and structure of α -Terpeniol?
3. Explain the structural determination of cholesterol?
4. Explain the synthesis and structure of β - cholanic acid?
5. Write a short note on Acetate pathway?