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Total Number of Pages : 01

**B.Pharma.  
PH.7.3**

**7<sup>th</sup> Semester Regular/Back Examination 2017-18  
Pharma Chemistry-VII (Med. Chemistry-III)**

**BRANCH : B.Pharma.**

**Time: 3 Hours**

**Max Marks: 70**

**Q.CODE: B126**

**Answer Question No.1 which is compulsory and any five from the rest.  
The figures in the right hand margin indicate marks.**

**Q1      Answer the following questions :      (2x10)**

- a) Define the term prodrugs.
- b) What are the steps involved in drug metabolism?
- c) Write down the structures of Mepacrine and proguanil?
- d) Define the term nucleotide with example.
- e) Mention two aromatic amino acids with their structures.
- f) What do you mean by Immunostimulants?
- g) Define the term peptide with example.
- h) How many amino acids are present in Insulin?
- i) Who won the noble prize for discovering the artemisinin?
- j) Write down the mechanism of action of Chloramphenicol.

**Q2      a) Define and classify anticoagulants with example      (5)**  
**b) Write down the synthesis of Mebendazole and Acyclovir.      (5)**

**Q3      a) Define and classify Antiamoebic agents. Outline the SAR of Penicillins.      (5)**  
**b) Outline the synthesis and uses of Ketoconazole and Metronidazole.      (5)**

**Q4      a) Outline the synthesis of Griseofulvin and pyrimethamine.      (5)**  
**b) Discuss the SAR and therapeutic uses of sulphonamides.      (5)**

**Q5      a) Define and classify the oral hypoglycemic agents .      (5)**  
**b) Write down the synthesis of Chlorpropamide and Carbimazole.      (5)**

**Q6      a) Describe the synthesis and uses of Dapsone.      (5)**  
**b) Mention the synthesis of Chlorambucil and pyrazinamide      (5)**

**Q7      Write a note on antithyroid drugs.      (10)**

**Q8      Write short answer on any TWO :      (5 x 2)**

- a)  $\beta$ -lactam Antibiotics.
- b) Immunosuppressive agents.
- c) Diagnostic agents.
- d) Antineoplastic agents