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Total Number of Pages : 01

**B.Pharm  
PH.6.3**

**6<sup>th</sup> Semester Back Examination 2018-19**

**PHARMA CHEMISTRY - VI**

**BRANCH : B.Pharma**

**Time : 3 Hours**

**Max Marks : 70**

**Q.CODE : F117**

**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 :      (2 x 10)**
- a) What is Diel's hydrocarbon?
  - b) Give the Structure and nomenclature of Halothane.
  - c) Give the structure and nomenclature of imipramine.
  - d) Outline the synthesis and therapeutic uses of diethylstilbesterol.
  - e) Outline the synthesis and uses of Clonidine
  - f) Give the structure and nomenclature of Nifedipine
  - g) Outline the synthesis of Methyldopa.
  - h) Define neuroleptics with examples.
  - i) Give two examples of Steroidal anti-inflammatory agents.
  - j) Give the structure and uses of alprazolam.
- Q2    a) Define and classify steroids with suitable examples. Discuss the      (5)**  
nomenclature and stereoisomerism of steroids.
- b) Outline the synthesis and uses of Progesterone.      (5)**
- Q3    a) Define and classify androgens and anabolic agents with examples.      (5)**  
**b) Outline the synthesis and give the therapeutic uses of testosterone.      (5)**
- Q4    a) Classify local anaesthetics with suitable examples. Discuss the structure      (5)**  
activity relationship of local anaesthetics.
- b) Outline the synthesis and give the uses of benzocaine and procaine.      (5)**
- Q5    a) Define and classify anticonvulsants with suitable examples.      (5)**  
**b) Outline the synthesis of phenytoin and carbamazepine.      (5)**
- Q6    Classify sedatives and hypnotics with suitable examples. Outline the      (10)**  
synthesis and give the uses of glutethimide and diazepam.
- Q7    Classify diuretics with suitable examples. Discuss the Structure activity      (10)**  
relationship of thiazide diuretics. Outline the synthesis acetazolamide and  
chlorthiazide.
- Q8      Write short answer on any TWO :      (5 x 2)**
- a) CNS Stimulants
  - b) Antiparkinsonism agents
  - c) Opioid analgesics