



- Notes :
1. All questions carry equal marks.
 2. Assume suitable data wherever necessary.
 3. Discuss the reaction, mechanism wherever necessary.
 4. Que No. 1 is compulsory, solve **any four** que. from remaining.

1. Give the structure, chemical name and relevant uses of following official drugs solve **any four**. **16**
 - a) Acetazolamide
 - b) Dipyridamole
 - c) Isoniazid
 - d) Clofibrate
 - e) Chloroquine
2. Give brief account on mode of action of antimalarials, classify if their basic chemical nucleus by giving at least one example from each class. **16**
3.
 - a) Classify antibiotics, based on their mechanism of actions. **8**
 - b) Give brief account on mode of action of Penicillin and give structures of any four naturally occurring penicillin. **8**
4. Give a comprehensive account of 'Antiarrhythmic agents'. Support your answer with at least one example from each category. Discuss the synthesis of any one official drug. **16**
5. Write a note of followings **any four**. **16**
 - a) Diuretics
 - b) Oral Hypoglycemics
 - c) Vasodilators
 - d) Anticoagulants
 - e) Antiprotozoals
6. How would you classify the 'antineoplastic agents'. Give the structure, chemical name and uses of one important member from each category. **16**
7. Write a note on **any four**. **16**
 - a) Antitubercular agents.
 - b) Antianginal
 - c) Antifungal
 - d) Anthelmintic
 - e) Sulfonamides
