



AAC-2113

Seat No. _____

M. Sc. (Sem. IV) Examination

April - 2019

CHN - 703(O) : Organic Chemistry

Time : 3 Hours]

[Total Marks : 70

- 1 (a) Answer any two of the following questions : 8
- (1) Write a note on antiameobic drugs.
 - (2) Give the synthesis of 4-aminoquinolines and 8-aminoquinolines.
 - (3) Write a note on primary tubercular agents.
- (b) Answer any one of the following : 6
- (1) Write a brief account on antifungal drugs.
 - (2) Classify the antimalarial drugs on the basis of chemotherapy. Give the synthesis and physiological activity of Diamino pyrimidines.
- 2 (a) Answer any two of the following : 8
- (1) Explain antiparkinsonism drugs.
 - (2) Explain anticonvulsant drugs.
 - (3) Write a note on Antipsychotics.
- (b) Answer any one of the following : 6
- (1) What is Tranquilizers ? Classify it. Give synthesis of any two of them.
 - (2) Classify the CNS depressant drugs. Draw the structure of Barbiturates and explain this biochemical effects and mechanism of action.

- 3 Answer any two of the following : 14
- (1) Give the classification of Diuretics and synthesis of Acetazolamide and Furosemide.
 - (2) Write a note on Cardiac drugs.
 - (3) Name the different drugs acting on Renal system with their mode of action.
- 4 Answer any two of the following : 14
- (1) How is cancer caused ? What are limitations of its therapy ? Draw structures of 6-mercaptopurine and 6-thioguanine.
 - (2) Write a note on Hypoglycemic drugs.
 - (3) What is hyper tension ? What should be normal blood pressure ? Write synthesis of one antihypertensive drug.
- 5 Answer any seven of the following : 14
- (1) What is sleep cycle ?
 - (2) What are the sedatives and hypnotics ?
 - (3) Give types of anti anxiety drugs.
 - (4) Give action of antineoplastic drugs.
 - (5) Give the synthesis of Methisazone.
 - (6) Define chemotherapeutic drugs.
 - (7) Give the synthesis of Impiramine.
 - (8) Give classification of Anti-arrythimic agent.
 - (9) Write full form of AIDS and HIV.
 - (10) What is Tranquilizers ?