

M.Sc.- II (Chemistry) (CBCS Pattern) Semester-IV
PSCHT16.5 - Medicinal Chemistry

P. Pages : 2

Time : Three Hours



GUG/S/25/11464

Max. Marks : 80

1. A) Write the drugs rules which are implemented in India. 8
B) How HPLC can be utilized as a chromatographic separation technique for drugs. 8

OR

- C) Write short note on Radiopharmaceuticals. 4
D) Write short note on drugs act. 4
E) Write a short note on CT in the field of medicine. 4
F) Discuss how to protect patents. 4
2. A) Discuss F-test with formula and example. 8
B) Explain the synthesis of following: 8
1) Acyclovir
2) Cytarabine

OR

- C) Explain material parasite life style. 4
D) Discuss the synthesis of Chloroquine. 4
E) Explain chemotherapy for HIV. 4
F) Discuss in brief radioimmune analysis. 4
3. A) Discuss histamine H_1 -receptor antagonists. 8
B) Explain synthesis and SAR of penicillin. 8

OR

- C) Explain synthesis of phenothiazines. 4
D) Explain synthesis of chloramphenicol. 4
E) Explain synthesis of Piperazine derivatives. 4
F) Write short note on inhibitors of histamine release. 4

4. A) Discuss the drugs used in trematode infection with examples. 8
- B) Explain etiology of inflammatory diseases. 8

OR

- C) Explain synthesis of phenyl butazone. 4
- D) Explain biological response of anti-inflammatory drugs. 4
- E) Explain synthesis of clioquinol. 4
- F) Discuss synthesis of Dichlorophen. 4
5. A) Define Helminthiasis. 2
- B) Write two examples of anti-inflammatory drugs. 2
- C) What are antibiotics? 2
- D) What are anti histamic agents? 2
- E) Write synthesis of primaquine. 2
- F) What are anti-viral agents? 2
- G) Write in short intellectual property right. 2
- H) What are Diagnostic agents? 2
