

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc., Winter 2019-20 Examination

Semester: 3
Subject Code: 11205203
Subject Name: Medicinal Chemistry

Date: 19-12-2019
Time: 02:00 pm to 04:30 pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
(a) Describe Drug Discovery.
(b) Explain in detail the designing of Drugs.
- Q.1. B) Answer the following questions (Any two) (04)**
(a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
1. Name the drugs used for the Chloroquine resistant Malaria.
2. Name six Drugs used for the treatment of Malaria.
(b) Pharmacokinetics & Processes . (04)
(c) Receptors. (04)
- Q.2. A) Answer the following questions. (04)**
(a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
1. Write four Plasmodium species which infect humans.
2. Falciparum Malariae
(b) Describe the Malaria cycle & mode of action of Chloroquin . (04)
- Q.2. B) Answer the following questions (Any two) (03)**
(a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
1. Explain Biopsy.
2. Angiography.
3. Hypertensive crisis.
(b) Synthesis of Penicillin & Amoxicillin. (03)
(c) Synthesis of Mercaptopurine (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
(a) Describe the main diseases of Cardio Vascular system.
(b) Name five drugs used in Cardio Vascular treatment.
- Q.3. B) Answer the following questions (Any two) (04)**
(a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
1. What is Cancer. Describe different types of Cancer & Treatment protocol.
2. Explain Diagram of Malignant cell by Mutation.
(b) Explain in detail Natural Anti Neoplastic agents. (04)
(c) Anti Anxiety Drugs & their side effects. (04)
- Q.4. A) Answer the following questions. (04)**
(a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
1. Define Antipsychotics & Antidepressant agents.
2. What are Antibiotics?
(b) Write characteristics of Antibiotics. (04)
- Q.4. B) Answer the following questions (Any two) (03)**
(a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
1. Name Antibiotic obtained from Liver of Dogfish
2. Name Antibiotic used for the treatment of TB.
3. Dr. who treats the Cancer patients is known as?
(b) Explain SAR of Penicillin. (03)
(c) Name three β Lactam Antibiotics. (03)