

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc., Winter 2018-19 Examination

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

Date: 27/10/2018
Time: 10:30 am to 01:00 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) Explain Synthesis of Penicillin & Amoxicillin.
 (b) Explain in detail the SAR of Streptomycin.
- B) Answer the following questions (Any two)**
 (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Write structure of Penicillin G & Ampicillin
 2. Name two β Lactam Antibiotics
 (b) Write characteristics of Antibiotics. (04)
 (c) Name the drugs used for the Chloroquine resistant Malaria. (04)
- Q.2. A) Answer the following questions.**
 (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)
- B) Answer the following questions (Any two)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. Explain Biopsy
 2. Treatment of Falciparum Malaria
 3. Angiography
 (b) Two Antimalarials isolated from Cinchona Bark ? (03)
 (c) Classify Antimalarials. Give one example of each class. (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 (a) Angina Pectoris
 (b) CHF
- B) Answer the following questions (Any two)**
 (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Drug Abuse
 2. Describe the main diseases of Cardio Vascular system.
 (b) Hypertensive crisis (04)
 (c) Anti Anxiety Drugs & their classification (04)
- Q.4. A) Answer the following questions.**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. Treatment protocol of cancer
 2. Synthesis of Mercaptopurinum
 (b) What is Cancer. Describe different types of Cancer. (04)
- B) Answer the following questions (Any two)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. Most complicated type of Malaria
 2. Dr. who treats the Brain related issues is known as ?
 3. Dr. who treats the Heart related issues is known as ?
 (b) Plant products employed in the treatment of Malignant disease. (03)
 (c) Name five drugs used in Cardio Vascular treatment. (03)