

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc., Winter 2017-18 Examination

Semester:
Subject Code: 11205203
Subject Name: Medicinal Chemistry

Date: 23-12-2017
Time: 10:30AM to 01:00PM
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 (Each of 04 marks) (08)**
 (a) Explain Synthesis of Penicillin & Amoxicillin.
 (b) Explain in detail the SAR of Streptomycin.
- 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. Draw the structure of Penicillin G & Ampicillin
 2. Name two 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. (04)**
 (a) Short note/ Brief note / Fill in the blanks. (Each of 02 marks) (04)
 1. Write four Plasmodium species which infect humans.
 2. Write a brief note on Plasmodium falciperum.
 (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. Penicillin was discovered by _____
 2. WHO means _____
 3. CAD means _____
 (b) Discuss two Antimalarials isolated from Cinchona Bark. (03)
 (c) Classify Antimalarials. Give one example of each class. (03)
- Q.3. A) Essay type/ Brief note (Each of 04 marks) (08)**
 (a) Write a note on Angina Pectoris.
 (b) Write a note on CHF.
- 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. Write a short note on Drug Abuse.
 2. Describe the main diseases of Cardio Vascular system.
 (b) Write the treatment of Hypertensive crisis. (04)
 (c) Describe Anti Anxiety Drugs & their classification (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. Treatment protocol of cancer
 2. Synthesis of Mercaptopurinum
 (b) What is Cancer. Discuss its different types. (04)
- Q.4. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. Most complicated type of Malaria is _____
 2. When doctor treats the Brain related issues, it is known as _____
 3. When doctor treats the Heart issues is known as _____
 (b) Write short note on Plant products employed in the treatment of Malignant disease. (03)
 (c) Name five drugs used in Cardio Vascular treatment. (03)