

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

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

Date: 06/04/2019
Time: 2:00 pm to 4:30 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 (Each of 04 marks) (08)**
 (a) Draw the structure of Penicillin G & Ampicillin
 (b) Explain in detail the SAR of Streptomycin.
- Q.1. B) Answer the following questions (Any two) (04)**
 (a) Short note (Each of 02 marks)
 1. Explain Synthesis of Penicillin & Amoxicillin.
 2. Name two β Lactam Antibiotics
 (b) Write a short note on classification of antimalarials (04)
 (c) Name the drugs used for the treatment of Malaria. (04)
- Q.2. A) Answer the following questions. (04)**
 (a) Short note (Each of 02 marks)
 1. Write four Plasmodium species which infect humans.
 2. Write a short note on most deadly malaria.
 (b) Write a short note on Malaria cycle & mode of action of any antimalarial. (04)
- Q.2. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks)
 1. Define Biopsy
 2. Explain the treatment of Falciparum Malaria
 3. Short note on Angiography.
 (b) Name two Antimalarials isolated from Cinchona Bark ? (03)
 (c) Classify Antibiotics. Give one example of each. (03)
- Q.3. A) Essay type (Each of 04 marks) (08)**
 (a) Write a short note on cardiovascular drugs
 (b) Write a note on CHF
- Q.3. B) Answer the following questions (Any two) (04)**
 (a) Short note (Each of 02 marks)
 1. Write a short note on Drug Abuse
 2. Explain the main diseases of Cardio Vascular system.
 (b) Write a short note on Hypertensive crisis (04)
 (c) Write a short note Antianxiety Drugs (04)
- Q.4. A) Answer the following questions. (04)**
 (a) Short note (Each of 02 marks)
 1. Explain the treatment protocol of cancer
 2. Synthesis of Mercaptopurinum
 (b) What is Cancer. Describe different types of Cancer. (04)
- Q.4. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks)
 1. Most complicated lung disease -----
 2. The person who treats the Brain related issues is known as -----
 3. The person who treats the Heart related issues is known as -----
 (b) Plant products employed in the treatment of Malignant disease. (03)
 (c) Name four drugs used in Cardio Vascular treatment. (03)