

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
B.Sc./IMSc Winter 2017-18 Examination

Semester: 3
Subject Code: 11105205
Subject Name: Basics in Medicinal Chemistry

Date: 01/01/2018
Time: 10:30 am to 1:00 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) Write a brief note on the following questions. (08)**
(a). Explain Malaria cycle. Give the symptoms of it.
(b). Describe the classification of Malaria.
- Q.1. B) Answer the following questions (Any two) (04)**
(a) 1. Short note on Chloroquine. (04)
2. Short note on Quinine. (04)
(b) Describe the general cause, symptoms and treatment Falciparum stage of malaria. (04)
(c) Effect and side-effect of Primaquine. (04)
- Q.2. A) Answer the following questions. (04)**
(a) 1. What are Cardiovascular drugs? Give their main types. (04)
2. Mention the main diseases caused of Cardiovascular system. (04)
(b) Write a note on Vasodilators. Give the names of drugs. (04)
- Q.2. B) Answer the following questions (Any two) (03)**
(a) Describe the stage of Hypertension in Cardiovascular system. (03)
(b) Mention the names of drugs used in various diseases of Cardiovascular systems. (03)
(c) Write the causes, symptoms and names of drugs used for the treatment of Angina pectoris. (03)
- Q.3. A) Explain in details. (08)**
(a). What are Antibiotics? Classify in details.
(b). Write a short note on Penicillin as an antibiotics. Mention its effects & side effects.
- Q.3. B) Answer the following questions (Any two) (04)**
(a) 1. Write six names of natural penicillin (04)
2. Write two names of broad-spectrum antibiotics. (04)
(b) Write a short note on the drug: Streptomycin as an antibiotics. (04)
(c) Write a short note on the drug: Cephalosporin as an antibiotics. (04)
- Q.4. A) Answer the following questions. (04)**
(a). Write a short note on Hypnotic drugs. Give the names of Barbiturates & Non-barbiturates drugs. (04)
1. What are Antianxiety drugs? Give their names.
2. What are CNS stimulants? Give their names.
(b). Explain the Adverse drug reactions of sedatives and hypnotics. (04)
- Q.4. B) Answer the following questions (Any two) (03)**
(a) What are antipsychotic drugs? Give their names. (03)
(b) Mention the role of Caffeine and Theophylline as CNS drugs. (03)
(c) Compare: Sedatives and Hypnotic drugs with examples. (03)