



International Islamic University Chittagong

Department of Pharmacy

B.Pharm (Hon's) Program

Final Examination

Spring Semester 2019

Course Code: Pharm-4809

Course Title: Clinical Pharmacy

Time: 2 hours 30 minutes

Full Marks: 50

(Answer of separate groups should be given in separate scripts. Figures on right margin indicate marks)

Group A (Answer any two questions from the followings) Marks: 20

1. a) Define oncotic pressure, factitious hyponatremia and respiratory alkalosis. 3
- b) Mention sign-symptom and etiology of hypercalcaemia with appropriate management. 4
- c) Differentiate non and positive anion gap acidosis in respect of etiology and treatment. 3
2. a) What types of information are suggested by the presence of red cell casts, white cell casts and lipid casts in urine? 4
- b) Mention the normal urine composition. 2
- c) Write in short about i) Uric acid, ii) SGOT, iii) Alkaline phosphatase and iv) Creatinine 4
3. a) Describe urinalysis for protein, pH and specific gravity. 3
- b) Why is necessary to study hematology in pharmacy? 3
- c) Describe the terms-i) MCV, ii) PCV, iii) MCH and iv) MCHC. 4

Group B (Answer any three questions from the followings) Marks: 30

4. a) Outline a treatment plan for HIV infected patients. 4
- b) Discuss the stages and diagnosis of TB infection. 3
- c) Mention the etiology of PUD. Briefly describe the triple therapy for *H. pylori* eradication. 1+2
5. a) What is anemia? State the sign & symptoms, etiology, and diagnosis of pernicious anemia. 4
- b) What are the treatment goals of anemia? How can anemia be treated well? 3
- c) Briefly describe chronic obstructive pulmonary disease. 3
6. a) What is diabetes mellitus (DM)? Highlight the complications of diabetes with apposite management. 4
- b) Differentiate between Type-I DM and Type-II DM. 2
- c) Write short notes on: (i) acute pyelonephritis (ii) gonorrhea. 2 x 2
7. a) Outline the different types of cancer? 3
- b) How does cancer develop? 3
- c) Define blood pressure. How does body naturally control blood pressure? 1+3