



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR DEGREE
OF BACHELOR OF SCIENCE IN BIOMEDICAL SCIENCE &
TECHNOLOGY WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

PPS 444: CLINICAL PHARMACY

Date: 12th December, 2016

Time: 12.00 - 3.00pm

INSTRUCTIONS:

- Answer ALL Questions in Section A and any other TWO in Section B.

1. Mention the mechanism of *Asthma* control with *Leukotriene*
2. *Omaluzumab* is monoclonal antibody targeting Ig E. State its use
3. Differentiate *salbutamol* from *Adrenalin* therapy in Chronic Obstructive Pulmonary disease
4. State what you understand with or classify
 - a) abnormal erythrocyte maturation
 - b) Infection induced anaemia
5. Differentiate *Dextran* from *Dextrin*
6. Outline the importance of MCH, MCHC and MCV in haematology
7. List four types of nursing *documentation* forms
8. Differentiate the various forms of *arrhythmia*
9. State the significance of Bilirubin *laboratory results*
10. Outline the possible causes of *brocho-constriction* in Asthma

SECTION B

INSTRUCTIONS: Attempt two (2) questions only

1. Explain the impact of *digitalizing* a cardiopathic patient (15 marks)
2. Discuss, using a specific example, the importance of Blood *Chemistry* to Drug Administration. (15 marks)
3. *Explain the rationale of choosing* Epinephrine instead of Ephedrine in a patient with chronic lung disease. (15 marks)
4. Discuss the prescription options for a patient with the Spirometric profile below: FEV 20%, pH>7.43, PCO₂ 22, P02 60 RV down, TLC = normal (15 marks)
5. Discuss the clinical impressions of Left Ventricular Heart Failure (15 marks)