



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

**SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE
IN MEDICAL BIOCHEMISTRY**

SBC 579: BIOCHEMICAL PATHOLOGY II

DATE: MONDAY, 26TH MARCH 2012

TIME: 9.00 A.M. – 12.00 P.M.

SECTION A: Answer All questions; 5 marks each

1. Define and outline two types of hypertension (BP)
2. Discuss the etiology of atherosclerotic lesions in human
3. Define alcoholism and explain how it is treated
4. Describe three progressive stages in atherosclerotic plaque formation
5. Describe cardiac disorders associated with i) Ischemia and ii) Arrhythmia
6. Describe three pathological liver conditions associated with alcohol.
7. State major categories of skeletal muscle disorders
8. State laboratory tests that can be used in the diagnosis of alcoholism

SECTION B: Answer THREE questions; 10 marks each

1. Describe the 4 mechanisms for the pathophysiology of hypertension (BP) and its management
2. With troponin and myoglobin as examples, discuss the clinical significance of protein markers in diagnosis of cardiac diseases
3. What is hyperlipidemia? Outline the risk factors and clinical complications of hyperlipidemia
4. Discuss nutritional alterations associated with alcoholic liver disease
