

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES**  
**THIRD YEAR FIRST SEMESTER EXAMINATION-JULY 2013**  
**MLSPA 3102 PATHOLOGY II**  
**PAPER II**

**Date: 01.08.2013**

**Time: 2 Hours**

**ANSWER ALL EIGHT QUESTIONS**

1.
  - 1.1 List 10 causes of hepatitis. (10 marks)
  - 1.2 Describe pathogenesis of liver abscess (40 marks)
  - 1.3 List complications of liver abscess (20 marks)
  - 1.4 List complications of end stage liver failure (30 marks)
  
2.
  - 2.1 Describe pathogenesis of bronchogenic carcinoma (70 marks)
  - 2.2 List aetiological factors of bronchogenic carcinoma (30 marks)
  
3.
  - 3.1 Briefly describe laboratory diagnosis of Diabetes mellitus (40 marks)
  - 3.2 Explain the pathogenesis of the following
    - 3.2.1 Diabetic neuropathy (20 marks)
    - 3.2.2 Early cataract in Diabetic patients (20 marks)
    - 3.2.3 Accelerated atherosclerosis in Diabetic patients (20 marks)
  
4.
  - 4.1 Mention the steps in bone fracture healing (15 marks)
  - 4.2 Describe the pathogenesis of acute osteomyelitis (60 marks)
  - 4.3 Give brief description about pathological fracture (25 marks)
  
5. Discuss the pathogenesis of myocardial infarction (100 marks)
  
  
6.
  - 6.1 List the risk factors for acute pyelonephritis (10 marks)
  - 6.2 Describe the pathogenesis of acute pyelonephritis (80 marks)
  - 6.3 List the causes of sterile pyuria (10 marks)

- 7.
- 7.1 Identify the risk factors for breast carcinoma (20 marks)
- 7.2 Give pathological explanation for the following in relation to breast carcinoma
- 7.2.1 Peaud' orange appearance of the skin (30 marks)
- 7.2.2 Fixed lymphnode in the axillae (20 marks)
- 7.3 Briefly mention the routes of spread in breast carcinoma (30 marks)

8. Write short notes on the following topics
- 8.1 Extradural haemorrhage (25 marks)
- 8.2 Prostate specific antigen (25 marks)
- 8.3 *Helicobacter pylori* (25 marks)
- 8.4 Varicose vein ulcer (25 marks)

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