

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES
THIRD YEAR FIRST SEMESTER EXAMINATION – SEPTEMBER 2018

MLSPA 3124 PATHOLOGY II
PAPER II

Date: 21.09.2018

Time: 2 hours

1.
 - 1.1. List three (03) risk factors for varicose veins. (10 Marks)
 - 1.2. List five (05) laboratory investigations useful to detect secondary hypertension. (20 Marks)
 - 1.3. Briefly describe the pathogenesis of acute coronary syndrome. (50 Marks)
 - 1.4. List five (05) complications of myocardial infarction. (20 Marks)

2.
 - 2.1. List five (05) causes of acute respiratory distress syndrome. (15 Marks)
 - 2.2. Describe hallmarks of bronchial asthma. (30 Marks)
 - 2.3. Write short notes on
 - 2.3.1. Tuberculin test (25 Marks)
 - 2.3.2. Paraneoplastic syndrome of lung cancer (30 Marks)

3.
 - 3.1. List four (04) risk factors for adenocarcinoma of the oesophagus. (20 Marks)
 - 3.2. Describe the pathological roles of *Helicobacter pylori* in stomach and duodenal disease. (40 Marks)
 - 3.3. Briefly describe the link between dietary factors and adenocarcinoma of the colon. (30 Marks)
 - 3.4. List five (05) complications of chronic diarrhoea. (10 Marks)

- 4.
- 4.1. List five (05) viruses causing Hepatitis. (20 Marks)
 - 4.2. Briefly describe the pathogenesis of alcoholic liver disease. (40 Marks)
 - 4.3. Briefly describe the pathogenesis of acute calculus cholecystitis. (40 Marks)
- 5.
- 5.1. Describe the diagnosis criteria of Diabetes mellitus. (40 Marks)
 - 5.2. List five (05) complications of diabetes mellitus. (20 Marks)
 - 5.3. Comment on environmental factors that influence the development of thyroid malignancies. (30 Marks)
 - 5.4. Mention three (03) sites of follicular thyroid carcinoma metastasis. (10 Marks)
- 6.
- 6.1. List the cardinal features of nephrotic syndrome. (20 Marks)
 - 6.2. List four (04) substances which could cause nephrotoxic acute tubular injury. (20 Marks)
 - 6.3. List five (05) causes of hydronephrosis. (20 Marks)
 - 6.4. Describe the development of renal stones. (40 Marks)
- 7.
- 7.1. List five (05) well established risk factors of breast cancer. (20 Marks)
 - 7.2. Describe hormonal influence in development of breast cancer. (40 Marks)
 - 7.3. List five (05) sites of endometriosis. (10 Marks)
 - 7.4. Describe the role of PSA in relation to prostate disorders. (30 Marks)
- 8.
- 8.1. List five (05) causes of secondary osteoporosis. (20 Marks)
 - 8.2. Diagrammatically explain the pathogenesis of osteoporosis. (50 Marks)
 - 8.3. Briefly describe the CSF analysis finding in acute pyogenic meningitis. (30 Marks)