



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES

THIRD YEAR FIRST SEMESTER EXAMINATION IN BScHons (MLS)-2020
MLSPA 3124 PATHOLOGY II

Date: 09.05.2022

Time: 2 hours

ANSWER ALL EIGHT QUESTIONS.

1.
 - 1.1 List 4 modifiable major risk factors for atherosclerosis (20 Marks)
 - 1.2 Explain the different stages of shortness of breath in left-sided heart failure and underlying mechanism (50 Marks)
 - 1.3 List the factors those influence patterns of acute myocardial infarction (20 Marks)
 - 1.4 List 4 conditions those lead to secondary lymphoedema (10 Marks)

2.
 - 2.1 List 4 causative organisms of community acquired acute pneumonia. (20 Marks)
 - 2.2. List 4 hallmarks of the bronchial asthma (35 marks)
 - 2.3 List 3 aetiological agents of tuberculosis (15 marks)
 - 2.4 Briefly explain the association between smoking habits and carcinoma of lungs (30 Marks)

3.
 - 3.1 List 4 features of nephrotic syndrome (20 Marks)
 - 3.2 Briefly describe the pathogenesis of acute pyelonephritis (50 Marks)
 - 3.3 List 4 aetiological agents cause nephrotoxic acute tubular injury (20 Marks)
 - 3.4 List 5 factors that contribute to hydronephrosis (10 Marks)

- 4.
- 4.1 Briefly describe the laboratory diagnosis criteria of diabetes mellitus (30 Marks)
- 4.2 List 5 complications of Diabetes mellitus (25 Marks)
- 4.3 List 4 causes of primary hypothyroidism (20 Marks)
- 4.4 List 3 causes of endogenous hypercortisolism in Cushing syndrome (25 Marks)
- 5.
- 5.1 List 4 types of bleedings could occur in people with head injury (20 Marks)
- 5.2 List 4 routes of infection spread to the central nervous system (20 Marks)
- 5.3 Briefly describe the pathogenesis of acute osteomyelitis (50 Marks)
- 5.4 List 5 causes of secondary osteoporosis (10 Marks)
- 6.
- 6.1 List 4 lower urinary tract symptoms caused by benign prostatic hyperplasia (20 Marks)
- 6.2 List 4 hormonal influencing factors those contribute to the development of breast carcinoma (20 Marks)
- 6.3 Comment on breast carcinoma spread (40 Marks)
- 6.4 List 5 sites of endometriosis (20 Marks)
- 7.
- 7.1 List 4 virulence factors of *Helicobacter pylori* in relation to gastric carcinoma (20 Marks)
- 7.2 List 2 pre-cancerous lesions of squamous cell carcinoma of the oral cavity (20 Marks)
- 7.3 Describe the role of dietary factors related to colonic carcinoma (30 Marks)
- 7.4 Classify different diarrhoea into 4 major categories (30 Marks)
- 8.
- 8.1 List 5 causes of viral hepatitis (25 Marks)
- 8.2 List 3 stages of alcoholic liver disease (15 Marks)
- 8.3 Briefly describe the pathogenesis of acute calculous cholecystitis (40 Marks)
- 8.4 List 4 causes of acute pancreatitis (20 Marks)

