

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES
THIRD YEAR SECOND SEMESTER EXAMINATION- JAN 2013
MLSPA 3202 PATHOLOGY 2



PAPER II

DATE: 22.01.2013

TIME: 2 HOURS

ANSWER ALL SIX QUESTIONS.

1. One in eight women is affected by breast carcinoma in some parts of western world.
 - 1.1 List established risk factors for developing breast carcinoma (20 marks)
 - 1.2 Briefly describe routes of spread of the breast carcinoma (50 marks)
 - 1.3 Illustrate stage III^A of breast carcinoma (30 marks)

2.
 - 2.1. Briefly describe pathogenesis of type 2 diabetes mellitus (50 marks)
 - 2.2. List complications of uncontrolled diabetes mellitus (20 marks)
 - 2.3. Explain why diabetes patients develop visual impairment early when compared to normal individuals (30 marks)

3.
 - 3.1. List causes of nosocomial (hospital acquired) pneumonia (10 marks)
 - 3.2. "Smoking is hazardous for human health". Justify this statement based on the pathology knowledge on respiratory system. (90 marks)

4.
 - 4.1. Describe pathogenesis of myocardial infarction (60 marks)
 - 4.2. List the complications of myocardial infarction (10 marks)
 - 4.3. List the risk factors of right sided heart failure (20 marks)
 - 4.4. What are the risk factors for developing infective endocarditis? (10 marks)

- 5.
- 5.1. List viruses causing hepatitis (10 marks)
 - 5.2. Classify alcoholic liver disease (20 marks)
 - 5.3. List complications of liver cirrhosis (20 marks)
 - 5.4. Briefly describe blood stained vomiting in liver failure patients (30 marks)
 - 5.5. Comment on ascitis in liver failure (20 marks)
- 6.
- 6.1. Describe pathogenesis of pyelonephritis (60 marks)
 - 6.2. List drugs causing interstitial nephritis (20 marks)
 - 6.3. Write causes of acute tubular necrosis (20 marks)
- 7.
- 7.1. Name two (2) biological carcinogens involved in pathogenesis of cervical carcinoma (10 marks)
 - 7.2. Mention risk factors for developing cervical carcinoma (30 marks)
 - 7.3. Write short notes on
 - 7.3.1. Ectopic pregnancy (30 marks)
 - 7.3.2 Urine HCG (30 marks)
- 8.
- 8.1. Explain the factors promoting carcinoma & preventing it, in relation to colorectal region (60 marks)
 - 8.2. What are the investigations helpful in arriving at a diagnosis of colorectal carcinoma? (40 marks)