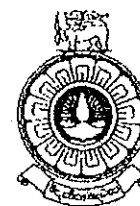


THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
ACADEMIC YEAR 2018/2019 – SEMESTER I



BACHELOR OF PHARMACY HONOURS
FMU4300 – PATHOPHYSIOLOGY – LEVEL 4
FINAL EXAMINATION
DURATION: THREE HOURS

DATE: 01st MARCH 2019

TIME: 9.30 A.M – 12.30 P.M

Structured Essay Questions (SEQs) – 50 marks

Answer all questions.

1.
 - 1.1 Define metastasis. (03 marks)
 - 1.2 Briefly explain the process of metastasis. (07 marks)
 - 1.3 Write **five (05)** cancer related genes. (2.5 marks)

2.
 - 2.1 Define apoptosis. (1.5 marks)
 - 2.2 List **three (03)** physiological causes of apoptosis. (03 marks)
 - 2.3 Write a short note on necrosis. (08 marks)

3.
 - 3.1 Briefly explain the pathogenesis of diabetes. (06 marks)
 - 3.2 List the micro vascular and macrovascular complications of diabetes separately. (03 marks)
 - 3.3 Describe diabetic ketoacidosis (3.5 marks)

4.
 - 4.1 List **four (04)** causes of acute liver disease. (02 marks)
 - 4.2 List **five (05)** investigation tests that are used to assess liver diseases. (2.5 marks)
 - 4.3 Briefly explain the complications of chronic liver disease. (08 marks)

