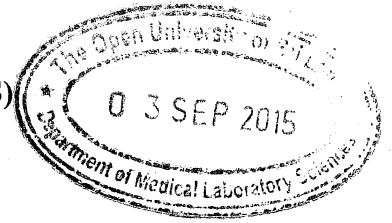




The Open University of Sri Lanka  
 Bachelor of Medical Laboratory Sciences (B.MLS)  
 MLU1142- Anatomy and Physiology  
 Semester 1- Academic year 2015/2016



No Book Test I

Return your question papers with the answer sheets

<b>Date: 03.09. 2015</b>	<b>Duration – 01 1/2 hours</b>
<b>Time: 01.30 p m –03.00 p m</b>	<b>Registration No.....</b>

Please read the following instructions carefully before you answer the paper. (100 marks)

**Part – A ( marks)**

- There are 10 multiple choice questions in this paper, each question with five responses. Each response has two choices, either **True** or **False**. Select the correct choice either **True** or **False** for each response.
- On the answer sheet, there are ten cages for each question. Those are placed in two rows (five in each row), indicating letters labeled from “a” to “e”.
  - If a response is correct, mark the relevant response in **T** row and if a response is incorrect mark the relevant response in **F** row
  - An example of a correctly answered question is given below.

Ex : 1. True or false regarding Innate Immunity

- Include 1st line of defense mechanisms
- Is antibody mediated
- Has no immunogenic memory
- Phagocytes are the key cells
- Highly specific for a particular antigen

T	a <input checked="" type="checkbox"/>	b <input type="checkbox"/>	c <input checked="" type="checkbox"/>	d <input checked="" type="checkbox"/>	e <input type="checkbox"/>
F	a <input type="checkbox"/>	b <input checked="" type="checkbox"/>	c <input type="checkbox"/>	d <input type="checkbox"/>	e <input checked="" type="checkbox"/>

Answer: T = True F = False

- One mark is allocated for correct response, and one mark will be deducted for incorrect response.
- Minus marks will not be carried to the next question.

**Part – B ( marks)**

- Two structured essay questions are given
- Answer to all the questions in this section within given spaces.

**Good Luck!**

**Structured Essay Questions**

**1.**

1.1 State three (03) features that differentiates the daughter cells produced by mitotic cell division from daughter cells produced by meiotic cell division. (30 marks)

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1.2 Draw a labeled diagram of the microscopic structure of compact bone (35 marks)

1.3 List the 3 main responses seen in haemostasis and briefly explain the role of one of these responses. (35 marks)

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2.

2.1. Illustrate the pulmonary circulation (from right ventricle to left atrium) with the aid of a flow chart. (25 marks)

2.2 Name the three (03) layers found in the wall of an artery and list the type of tissues found in each layer.  
(35 marks)

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2.3 Define cardiac output and briefly explain two (02) main factors affecting cardiac output.  
(40 marks)

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