

COMMONWEALTH OF AUSTRALIA

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Family Name	
Given Names	
Student Number	
Teaching Period	Semester 1, 2016

FINAL EXAMINATION	DURATION				
MLS300 – Cell Pathology	<table border="1"> <tr> <td>Reading Time:</td> <td>10 minutes</td> </tr> <tr> <td>Writing Time:</td> <td>180 minutes</td> </tr> </table>	Reading Time:	10 minutes	Writing Time:	180 minutes
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INSTRUCTIONS TO CANDIDATES

The examination has A & B sections
 Section A: Suggested Time: 30 minutes
 Answer ALL 20 questions on the answer booklet provided. Marks:20

Section B: Suggested Time: 150 minutes
 Answer ALL 20 questions in the booklets provided. Marks: 88

Section A must be answered on the Multiple Choice Answer booklet. Please ensure that your name and student number are clearly indicated on your Answer Sheet and at the top of this examination paper. Section B must be answered in separate booklets.

Note that questions ARE NOT of equal value.
 Read ALL questions carefully.

EXAM CONDITIONS

You may begin writing from the commencement of the examination session. The reading time indicated above is provided as a guide only.

This is a CLOSED BOOK examination

No calculators are permitted

No handwritten notes are permitted

No dictionaries are permitted

ADDITIONAL AUTHORISED MATERIALS	EXAMINATION MATERIALS TO BE SUPPLIED
No additional printed material is permitted	1 x 16 Page Book 1 x 20 Page Book 1 x 4-Multiple Choice Answer Sheet 1 x Scrap Paper

**THIS EXAMINATION IS PRINTED
DOUBLE-SIDED.**

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MLS300 Cell Pathology
Final Semester Examination

Section A

Multiple Choice Questions

Total No of Marks for this section: 20

- Answer ALL questions in this section on the Multiple Choice Answer booklet provided. Please ensure that your name and student number have been written on the answer Booklet.
 - Note that ALL questions in this section are of equal value as indicated
 - Suggested Time allocation for Section A: 30 mins
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Section B

Short Answer Questions

Total No of Marks for this section: 88

- Answer **ALL** 20 questions in this section in the Answer Booklet provided.
 - Marks for each question are indicated.
 - Suggested Time allocation for Section B: 150 mins
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Question 1

Explain cervical intraepithelial neoplasia

(Marks: 3)

Question 2

Write short notes on post streptococcal glomerulonephritis under the following headings

- Definition
- Mechanism(s) of action
- Immunofluorescence

(Marks: 6)

Question 3

List any 6 differences between benign and malignant neoplasia.

(Marks: 3)

Question 4

Describe the different types of testicular tumours with special reference to germ cell tumours.

(Marks: 4)

Question 5

Write short notes on atherosclerosis under the following headings:

- (a) Definition
- (b) Pathogenesis
- (c) Risk factors

(Marks: 6)

Question 6

Name the various chemical mediators of inflammation and their role in the pathogenesis of inflammation.

(Marks: 4)

Question 7

Compare and contrast any 3 features of Hashimoto's and Grave's disease

(Marks: 6)

Question 8

What is the difference between metastatic and dystrophic calcification?

(Marks: 4)

Question 9

Describe the stages of lobar pneumonia, in regard to the gross and microscopic findings.

(Marks: 6)

Question 10

What is Sheehan's syndrome? What are its clinical features?

(Marks: 3)

Question 11

What are the risk factors for Cervical Cancer?

(Marks: 3)

Question 12

Briefly describe the mechanisms by which tumours metastasize

(Marks: 3)

Question 13

Briefly describe Parkinson's disease?

(Marks: 4)

Question 14

What is an aneurysm? Describe different types of aneurysms. What are the causes of aneurysms.

(Marks: 6)

Question 15

Explain paraneoplastic syndrome with 3 examples.

(Marks: 3)

Question 16

Discuss the basic pathology of emphysema. What are the different types of emphysema?

(Marks: 3)

Question 17

List any 6 factors that could affect wound healing?

(Marks: 3)

Question 18

What is a nephrotic syndrome? Describe 3 laboratory findings in a case of nephrotic syndrome.

(Marks: 6)

Question 19

Write short notes on metaplasia under the following headings:

- (a) Definition
- (b) Mechanism of metaplasia
- (c) Examples of metaplasia

(Marks: 6)

Question 20

Compare and contrast Crohn's disease to Ulcerative Colitis under the headings: macroscopic features, microscopic features and complications. You may include diagrams to support your answer.

(Marks: 6)