



INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO  
DEGREE OF BACHELOR OF AYURVEDA MEDICINE AND SURGERY  
LEVEL III – FIRST SEMESTER EXAMINATION MAY - JUNE 2019

EXAMINATIONS  
Institute of Indigenous Medicine  
14 JUN 2019  
University of Colombo

AS 3103 – VIKRITHI VIGNANA (PATHOLOGY) - I

Date: 14.06.2019  
Time: 9.45 a.m. – 12.15 p.m.

Index No

Answer all questions.

Part I - Structured Questions

1.

1.1 List the three (03) types of cells in adult life according to their proliferation ability. Give one (01) example for each types. (03 Marks)

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1.2 Briefly, describe the following

a. Cell cycle (02 Marks)

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b. Processes of apoptosis

(02 Marks)

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2.

2.1 Using a flow diagram show the different steps of excretion of bilirubin formed in macrophage system. (03 Marks)

2.2 Briefly, describe three (03) types of jaundice

(03 Marks)

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3.

3.1 Describe the following

a. Three pathways of compliment activation seen in immune reactions (03 Marks)

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b. Two (02) types of hypersensitivity reactions. (03 Marks)

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4.

4.1 Describe the wound healing processes (04 Marks)

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4.2 List three (03) complications of wound healing

(03 Marks)

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5.

5.1 Define "free radicles"

(02 Marks)

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5.2 State the defence mechanisms present in human body against free radicles

(02 Marks)

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5.3 Briefly, describe three ways by which free radicals are formed

(03 Marks)

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6.

6.1 List four (04) differences in pathological changes seen in intestine between Crohn's disease and ulcerative colitis

(04 Marks)

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6.2 What are the risk factors of peptic ulcer disease?

(03 Marks)

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**Part II – Essay Questions**

1. Describe different types of necrosis with examples. (20 Marks)
2. Describe the pathogenesis of cirrhosis and its complications (20 Marks)

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