

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BUMS LEVEL III – FIRST SEMESTER EXAMINATION – OCTOBER 2017

PATHOLOGY I
COURSE CODE – AS 3103

Date: 15.11.2017
Time: 2 ½ an hours
(9.45 a.m. – 12.15 p.m.)

Answer all questions.

Index no

Part I - Structured Questions

1. A 32 year old man has past medical history of severe gastro oesophageal reflux disease. His most recent oesophageal biopsy shows a columnar epithelium with goblet cells suggestive of Barrett's oesophagus.

1.1 What form of cell adaptation is this? (02 Marks)

.....
2 Give another example for the above cell adaptation (02 Marks)

.....
3 What are the cytological abnormalities can be seen in dysplasia? (04 Marks)

.....
4 What is the complication may occur due to long standing gastro oesophageal reflux disease? (02 Marks)

.....

2. A 50 year old man was seen at the haematology clinic his full blood count (FBC) is given below

RBC $5.2 \times 10^{12}/l$
Hb 8.5 g/dl
MCV 68fl
MCH 20pg
MCHC 26g/dl
RDW 16%
WBC $5.2 \times 10^3/\text{mic L}$
N 50% L 45% M 03% E 02%
Platelet count $450 \times 10^9/\text{mcL}$

2.1 Comment on the FBC report and state the morphological type of anaemia (02 Marks)

.....

2.2 What are the possible causes for the above condition. (03 Marks)

a.

b.

c.

2.3 Define leuco/ erythroblastic blood picture (02 Marks)

.....

2.4 List three (03) causes for the above blood picture (03 Marks)

a.

b.

c.

Part II - Essay Questions

1.
 - 1.1 Define the term chronic inflammation. (05 Marks)
 - 1.2 What are the morphological types of chronic inflammation? (05 Marks)
 - 1.3 Briefly explain one of the types with examples. (10 Marks)

2.
 - 2.1 What are the types of immunity? (06 Marks)
 - 2.2 Briefly give an account on each type of immunity. (08 Marks)
 - 2.3 Discuss the types of hypersensitivity. (06 Marks)

- 3) A 35 year old patient of type 11 diabetes mellitus cut her hand with a knife in the kitchen; the wound failed to heal even after two weeks.
 - 3.1 What causes of delayed healing you would suspect in this patient? (05 Marks)
 - 3.2 Describe other local/systemic factors that influence wound healing. (10 Marks)
 - 3.3 What is primary wound healing? (05 Marks)
