

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (HISTOPATHOLOGY) PART I EXAMINATION – DECEMBER 2019

Date:- 9th December 2019

Time:- 1.00 p.m. – 4.00 p.m.

ESSAY PAPER

Answer all four (04) questions.

Answer each question in a separate book.

Marks for different parts are indicated within brackets.

1.

1.1.

1.1.1 List the complications of atherosclerosis (10 marks)

1.1.2. Explain the pathological basis of the above complications giving examples. (50 marks)

1.2. Write an account on epithelial mesenchymal transition. (40 marks)

2.

2.1. Hypercellularity in a glomerulus is a feature encountered in many renal diseases.

2.1.1. Describe the light microscopic features helpful in the diagnosis of glomerular hypercellularity. (20 marks)

2.1.2. List two (02) types of glomerulonephritis exhibiting the above tissue reaction. (10 marks)

2.1.3. Briefly describe how you would differentiate the conditions mentioned in 2.1.2. (20 marks)

2.2. A 60 year old woman was found to have a 3cm cystic lesion in the head of the pancreas. A CT-guided aspiration of the cyst was performed. The cyst fluid was strongly positive for PAS and resistant to diastase digestion.

2.2.1. List two (02) differential diagnoses. (10 marks)

2.2.2. Describe the morphological features (macroscopy and microscopy) of the above lesions mentioned in 2.2.1. highlighting the features helpful in the differential diagnosis. (40 marks)

Contd..../2-

3. Write notes on

- 3.1. Precursor lesions of adenocarcinoma of the lung. (30 marks)
- 3.2. Pathogenesis of endometriosis. (35 marks)
- 3.3. Numerical parameters useful in the prognostication of breast carcinoma. (35 marks)

4. Describe the following

- 4.1. Histomorphological changes caused by *Helicobacter pylori* in the stomach. (35 marks)
- 4.2. Criteria for diagnosing "invasion" in a follicular carcinoma of thyroid and its further categorization. (30 marks)
- 4.3. Benign mimics of a nodal lymphoma. (35 marks)