

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (HISTOPATHOLOGY) PART I EXAMINATION – MARCH 2022**

**Date:-** 7<sup>th</sup> March 2022

**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. Discuss the role of the histopathologist in diagnosing infections, giving examples. (100 marks)
2. Briefly discuss how you would differentiate the following by histopathological features and immunohistochemical markers.
  - 2.1. Intraductal papilloma from papillary ductal carcinoma in situ (DCIS) in an excision biopsy. (30 marks)
  - 2.2. Kikuchi lymphadenitis from a non-Hodgkin lymphoma (NHL) in a lymph node. (40 marks)
  - 2.3. Lipoma from atypical lipomatous tumour. (30 marks)
3.
  - 3.1.
    - 3.1.1. Describe how you would assess the myometrium in a hysterectomy specimen with an endometrial carcinoma for the purpose of tumour staging. (25 marks)
    - 3.1.2. Briefly describe the molecular classification of endometrial adenocarcinoma, including the histopathological features and prognosis of different subtypes. (30 marks)
  - 3.2. Briefly discuss the mimics of
    - 3.2.1. an invasive carcinoma in a colorectal polyp. (20 marks)
    - 3.2.2. glandular atypia in a cervical smear. (25 marks)

Contd..../2-

4.

- 4.1. Steatosis is a common finding in liver biopsies. Describe how you would assess a liver biopsy with steatosis histologically, giving important features which help to differentiate the underlying aetiologies. (50 marks)
- 4.2. A 12-year-old boy is found to have a bone lesion in the metaphyseal region of the lower end of his right femur. An open biopsy measuring 2 cm is performed.
- 4.2.1. Describe how you would handle a fresh biopsy of this lesion. (20 marks)
- 4.2.2. Give one (01) example each for a benign, malignant and an inflammatory lesion that could commonly be seen in this boy. (03 marks)
- 4.2.3. Outline the clinical details and investigations that would aid in the assessment of this biopsy. (12 marks)
- 4.2.4. Describe the histopathological features with ancillary tests where necessary, of one (01) of the neoplastic lesions mentioned in 4.2.2. (15 marks)