

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

[MD 1022]

**OCTOBER 2022**

**Sub. Code: 2010**

**M.D. DEGREE EXAMINATION**

**BRANCH III – PATHOLOGY**

**PAPER I – GENERAL MEDICAL AND SURGICAL PATHOLOGY  
INCLUDING APPLIED ASPECTS IN PATHOLOGY**

*Q.P. Code: 202010*

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. Enumerate Cystic Diseases of Kidney. Describe in detail about Autosomal Dominant Polycystic Kidney Diseases.
2. AJCC Classification, AJCC Staging system of Colorectal Carcinoma. Epidemiology, Pathogenesis, Morphology of Colonic cancers.

**II. Write short notes on:**

**(10 x 5 = 50)**

1. Placental-Site Trophoblastic Tumors.
2. Proliferative Breast Lesions.
3. Describe in detail about acute respiratory distress syndrome.
4. Muscle biopsy with special stains.
5. Causes and consequences of Portal hypertension.
6. Write in detail about mediators of glomerular injury.
7. Surfactant Dysfunction Disorders.
8. Pathogenesis, Morphology and Clinical features of Auto Immune Gastritis.
9. Make a brief note of Precursor lesions of HCC and Cholangiocarcinoma.
10. Role of Immunofluorescence in skin biopsy.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. A 7 Years old child presented with Hepatosplenomegaly, anemia and leucopenia. On examination, his bone marrow revealed large cells with cytoplasm having crumpled appearance.
  - a) Name the disease and diagnostic cell.
  - b) Mention pattern of heritance.
  - c) Describe biochemical basis of lesions.
  - d) Morphological features and diagnosis of lesion.

2. A 12 Year old boy presented with swelling thigh and history of pain for 2months.
  - a) What is the possible diagnosis?
  - b) X-ray findings and genetic rearrangements.
  - c) Write in detail about microscopic findings and IHC markers for the same.
  
3. A 50 Year old female presented with swelling of parotid region, dry eyes and mouth.
  - a) What is the probable diagnosis?
  - b) Etiopathogenesis of the disease.
  - c) Associated malignant lesion.
  
4. A 45 Year old lady presented with swelling in front of neck with elevated TSH values.
  - a) What is the probable diagnosis?
  - b) Pathogenesis of the disease.
  - c) Morphology of the lesion.
  - d) Other lesions of similar pathology.

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