

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

[MD 0723]

**JULY 2023**

**Sub. Code: 2010**

**(MAY 2023 EXAM SESSION)**

**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. Discuss the pathogenesis, morphology and clinical features of Cystic Fibrosis. Add a note on the Genetic aspects of the disease and its modifiers.
2. Give an account of Tumors of Endometrium, its precursor lesions and the genetic profile of Endometrial Cancers.

**II. Write short notes on: (10 x 5 = 50)**

1. Cerebral Malaria.
2. Kawasaki disease.
3. Hypertrophic Cardiomyopathy.
4. Pneumonia in Immunocompromised Host.
5. Mucinous Neoplasms of Appendix.
6. Pneumoconiosis.
7. Solitary Nodule of Liver.
8. Buerger's disease.
9. Crystal induced arthropathies.
10. Myasthenia Gravis.

**III. Reasoning Out: (4 x 5 = 20)**

1. 35 yrs /M presented with tender red nodules on the face with widespread erythematous nodules and vesicles, patient also had fever, malaise, arthralgia and gives H/o treatment for the nodules, one month before.
  - a) What is your diagnosis?
  - b) What is the pathogenesis of the above condition?
  - c) What are the differential diagnosis?

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2. 4 yrs / M Child presented with renal mass, macroglossia, hemihypertrophy, omphalocele.
- a) What is your diagnosis?
  - b) What is genetic abnormality?
  - c) If the resected organ also shows an expansible lesion adjacent to primary lesion  
What is it due to and what is the significance of identifying it?
3. 35 yrs / F developed puffiness of face, oliguria. She was treated for Skin rashes and joint pains for the past 8 years.
- a) What is your diagnosis?
  - b) What is the cause of Oliguria?
  - c) What are the salient findings expected in renal biopsy?
4. 55 yrs / M presented with exophytic warty growth on penile shaft.
- a) What is your diagnosis?
  - b) What are the pathogenic pathway involved?
  - c) What are the differential diagnosis of warty lesions of Penis?
  - d) Enumerate the premalignant conditions of Penis.

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