

[LQ 114]

NOVEMBER 2020  
(OCTOBER 2020 SESSION)

Sub. Code: 2011

**M.D. DEGREE EXAMINATION**  
**BRANCH III – PATHOLOGY**  
**PAPER II – GENERAL PATHOLOGY**

*Q.P. Code: 202011*

**Time : 3 Hours**

**Maximum : 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. Classify autoimmune diseases. Write about mechanism of autoimmunity.  
Discuss pathogenesis and pathology of systemic lupus erythematosus.
2. Morpho molecular profile in carcinoma in first three common malignancies.

**II. Write short notes on:**

**(10 x 5 = 50)**

1. Mitochondrial myopathy .
2. Myokeratin
3. Thrombi
4. Proliferation markers
5. Invasive mucor mycosis
6. Myofibroblast
7. Ischemic hypoxic encephalopathy
8. Angiogenesis in inflammation and repair
9. Immunology in leprosy
10. Gonadoblastoma

**(2)**

### III. Reasoning Out:

(4 x 5 = 20)

1. 50 year old male presented with dyspnea some times as orthopnea that is worse at night. There is a long history of alcohol consumption. Chest x ray showed an enlarged heart and bilateral pleural effusion. What is the most likely diagnosis discuss the etiopathogenesis and pathology.
2. 28 year old female presenting with fatigue, abdominal pain and hypotension. Baseline investigations were normal. What is the most propable diagnosis? Discuss the etiopathogenesis and pathology.
3. 4 year old male child presented with easy bruising petechiae and Hepatosplenomegaly. CBC showed leucocytosis anemia and thrombocytopenia peripheral blood smear showed cells with a high ncr and fine chromatin. What is the probable diagnosis? Discuss etiopathogenesis, special stains and immunophenotyping prognostic stratification.
4. 57 year old male presented with jaundice and ascites. Impaired liver function tests. He had a prior history of blood transfusion. What is the most probable diagnosis? Discuss diagnostic workup and pathology of liver insult .

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