

[LO 113]

MAY 2019

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. Write about the Immune Mechanisms of Glomerular injury. Discuss the classification and Pathogenesis of Crescentic Glomerulonephritis.
2. Write about the Degenerative diseases of the Central Nervous System. Discuss in detail about the pathogenesis and morphology of Alzheimer Disease.

**II. Write short notes on:**

**(10 x 5 = 50)**

1. Hirschprung disease.
2. Fragile chromosomes.
3. Graft versus host reaction.
4. Bio Medical Waste Management.
5. Diabetic microangiopathy.
6. Bone marrow biopsy.
7. Pseudogout.
8. Nerve biopsy.
9. Premalignant conditions in the breast.
10. Krukenberg tumor.

(2)

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. A 52 year old female with pain and swelling of small joints of fingers and wrists on both sides with complaints of morning stiffness. What is the probable diagnosis? Discuss the pathology and morphology of the condition with a note on the investigations for confirming the diagnosis.
2. 53 year old male, known hypertensive for 15 years presented with hypotension and was brought in a state of shock. Examination revealed massive intra peritoneal hemorrhage. What is the probable cause? What is the pathogenesis and morphology of this condition?
3. 47 year old male was complaining of chest pain for 30 minutes and was not relieved by rest. What is your diagnosis? What is the pathogenesis and clinical course?
4. 22 year old female presented with headache, photophobia and neck rigidity. CSF examination revealed cloudy appearance under increased pressure with reduced glucose content. Discuss the morphology of this condition.

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