

[LS 113]

NOVEMBER 2020  
(OCTOBER 2020 SESSION)  
M.D. DEGREE EXAMINATION

Sub. Code: 2010

**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. Etiopathogenesis and pathology of hypertension discuss hypertensive cerebrovascular disease and systemic hypertensive heart disease
2. Write about endocarditis discuss predisposing factors, potential complications location of active vegetations and pathological criteria

**II. Write short notes on:**

**(10 x 5 = 50)**

1. Pathology of acute lung injury
2. Gliosis
3. Bone marrow trephine biopsy
4. Secondary pulmonary tuberculosis
5. Cyclins
6. Imprint cytology
7. Tertiary syphilis
8. Frozen section
9. Benign lesions of larynx
10. Pulmonary hamartoma

**(2)**

### III. Reasoning Out:

(4 x 5 = 20)

1. 54 year old male with advanced renal cell carcinoma treated with immuno modulators developed dyspnea and low grade fever for two weeks. CT image shows diffuse miliary nodules. Open lung biopsy was taken and HPE showed no evidence of giant cells or granulomas. Discuss about pathology of lung injury.
2. 60 year old male was bedridden following vertebral metastasis from prostatic Adenocarcinoma. He developed sudden breathlessness and calf muscle pain on squeezing. Discuss the findings.
3. 50 year old female with pain and swelling of small joints of fingers and wrist of both sides with complaints of stiffness in the morning. Discuss the pathology and investigations for confirming diagnosis.
4. 43 year old woman had a rapidly growing mass in right gluteal region. Biopsy revealed undifferentiated sarcoma. Chest x ray showed multiple masses in both lungs, which were being suspected of metastatic lesions. She subsequently developed thrompocytopenia. Discuss.

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