

[LF 113]

OCTOBER 2014

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 10 = 20)**

1. Describe in detail the classification and etiopathogenesis of diabetes mellitus. Add a note on its complications.
2. Discuss the mechanisms of autoimmune diseases. Describe the etiopathogenesis, pathology and lab diagnosis of SLE.

**II. Write short notes on:**

**(8 x 5 = 40)**

1. Triple negative breast cancer.
2. Prognostic factors in testicular tumors.
3. Radiation induced changes.
4. Metabolic syndrome.
5. Asbestosis.
6. Malignant melanoma.
7. Infective endocarditis.
8. Crescentic glomerulonephritis.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. 25 year old female presented with ovarian mass and elevated serum AFP.
  - A. What is your diagnosis?
  - B. What are the other tumors in the same classification?
  - C. What is the morphology of this tumor?
2. 20 year old female presented with neck rigidity and CSF examination revealed Cob web appearance on standing and lymphocytic pleocytosis.
  - A. What is your diagnosis?
  - B. What is the mode of infection?

- C. What are the complications?
  - D. How do you confirm the diagnosis?
3. 60 year old female presented with pain and swelling in the right knee. Xray revealed narrowing of joint space and osteophytes.
- A. What is your diagnosis?
  - B. What is the pathogenesis of the disease?
  - C. What is the morphology?
4. 35 year old male presented with paroxysmal episodes of hypertension, palpitation, headache and sweating. Imaging revealed retroperitoneal mass. Urinary VMA was elevated.
- A. What is your diagnosis?
  - B. What are the genetic syndromes associated?
  - C. What is the morphology?
  - D. What are the prognostic factors?

**IV. Very Short Answers:**

**(10 x 2 = 20)**

1. Homer wright rosettes.
2. Denys drash syndrome.
3. Nevus flammeus.
4. Kawasaki disease.
5. Collar button lesion is seen in \_\_\_\_\_tumor. What is it?
6. Gross test to confirm myocardial infarct.
7. Papillary cystadenoma lymphomatosum.
8. Metastatic Crohn's disease.
9. PSA velocity.
10. VIPoma.

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