

March 2010

[KW 1506

Sub. Code: 3008

**DIPLOMA IN CLINICAL PATHOLOGY EXAMINATION**

**Paper I – GENERAL AND SYSTEMIC PATHOLOGY**

**(Common to all candidates)**

***Q.P. Code : 343008***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary**

**Answer ALL questions**

**I. Essay questions : (2 x 20 = 40)**

1. 50 yrs. old male, chronic smoker, complains of sudden substernal chest pain, radiating to shoulder. Laboratory investigations reveal hyperlipidemia.
  - a. What is the probable diagnosis? (2)
  - b. Discuss the etiopathogenesis of the condition. (6)
  - c. What are the morphologic features in the main organ affected? (6)
  - d. Discuss the laboratory investigations in detail. (6)
2. Define neoplasia. Discuss the molecular basis of malignant neoplasms and the various diagnostic procedures done for the diagnosis of cancer. (2+8+10)

**II. Write short notes on : (10 x 6 = 60)**

1. Chemical carcinogenesis.
2. Delayed hypersensitive reaction.
3. Pathology of amyloidosis.
4. Various types of necrosis.
5. Pathogenesis of atherosclerosis.
6. Down syndrome.
7. Differences between Crohn's disease and ulcerative colitis.
8. Pathogenesis and pathology of hepatoblastoma.
9. Classify bone tumours and discuss the pathology of osteosarcoma.
10. Crescentic glomerulonephritis.

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