

Code No. 6119

FACULTY OF PHARMACY**Pharm D (6 – YDC) II – Year (Main & Backlog) Examination, August 2016****Subject: Pathophysiology****Time: 3 Hrs****Max.Marks: 70****Note: Answer all questions from Part – A. Answer any Five questions from Part – B.****PART – A (10x2 = 20 Marks)**

- 1 Distinguish between Mania and Depression.
- 2 Enumerate different types of Angina pectoris.
- 3 Define the terms – Metaplasia and Hyperplasia.
- 4 Write the deficiency symptoms of vitamin C.
- 5 Write the pathophysiology of leprosy.
- 6 Explain the mechanism involved in Autoimmunity.
- 7 Draw a neat labelled diagram of B-Lymphocytes.
- 8 Write the clinical manifestations of Acute Renal Failure.
- 9 Write the biological effects of sulphur dioxide.
- 10 Represent the pathogenesis of peptic ulcer disease in the form of diagram.

PART – B (5x10 = 50 Marks)

- 11 Write the etiopathogenesis of AIDS. 10
- 12 a) Describe the structure of MHC (Major histocompatibility complex) with a neat labelled diagram. 7
b) Write the mechanism involved in transplant rejection. 3
- 13 a) Write the pathogenesis of hypertension. 6
b) Differentiate between Ischemic and hemorrhagic stroke. 4
- 14 a) Explain the cellular events of inflammation. 6
b) Write a note on complement system activation. 4
- 15 a) Write in detail abt RAS gene and P53 tumor suppressor genes. 7
b) Explain the etiology of cancer. 3
- 16 Explain in detail abt Type II and III Hypersensitivity reactions. 10
- 17 a) Write the pathogenesis of Type I Diabetes Mellitus. 5
b) How are AGEs (Advanced Glycation End products) formed? 5
- 18 a) Explain different causes of cell injury. 3
b) Explain in detail the formation of reactive oxygen species. 7
