

**FACULTY OF PHARMACY****Pharm D (6-YDC) II-Year (Main & Backlog) Examination, June 2019****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)**

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|---|---|
| 1) Define the terms Hypertrophy and Hyperplasia?          | 2 |
| 2) Differentiate between Necrosis and Apoptosis?          | 2 |
| 3) Write a note on abnormalities in Lipoproteinaemia.     | 2 |
| 4) List the Chemical Mediators involved in inflammation?  | 2 |
| 5) Write the etiological factors involved in Cell Injury? | 2 |
| 6) Write the deficiency symptoms of Vitamin B?            | 2 |
| 7) Explain pathogenesis of Typhoid fever?                 | 2 |
| 8) Discuss Clinical Complications of Obesity?             | 2 |
| 9) Briefly write about components of immune system?       | 2 |
| 10) Write pathogenesis of malaria?                        | 2 |

**PART- B (5x10 = 50 Marks)**

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|--|----|
| 11) a) Explain etiopathogenesis of inflammatory bowel disease?   | 7  |
| b) Write a note on advanced Glycation End products?  | 3  |
| 12) Explain in detail Type II and Type III hypersensitivity reactions?                                       | 10 |
| 13) (a) Explain mechanism of Invasion and Metastasis in Neoplasia?   | 7  |
| (b) Write a note on p <sub>53</sub> gene?  | 3  |
| 14) Explain Etiopathogenesis of SHOCK?   | 10 |
| 15) (a) Explain Mechanism involved in Transplant rejection?  | 6  |
| (b) Write a note on Hepatitis?   | 4  |
| 16) a) Explain pathogenesis of Acute Kidney Failure?   | 6  |
| b) Write the pathogenesis of Asthma?   | 4  |
| 17) a) Write the pathogenesis of Hypertension?   | 5  |
| b) Write the pathogenesis of Type I Diabetes mellitus?   | 5  |
| 18) Write a note on types of Cell Death? Explain Mechanism involved in Apoptosis with Neat labelled Diagram? | 10 |

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