

Second Year Pharm. D (SUPPLEMENTARY) : SUMMER - 2019

SUBJECT: PATHOPHYSIOLOGY

Day: Monday
Date: 01/07/2019

S-2019-4534

Time: 02.00 P.M. TO 05.00 PM
Max. Marks: 70

N.B:

- 1) Q.No.1 and 5 are compulsory. Out of remaining any **TWO** questions from Section-I and any **TWO** from Section-II.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to the both the sections should be written in **SEPERATE** answer books.
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SECTION-I

- Q.1** A) Attempt **ANY FOUR** of the following: (8)
- i) Differentiate between ischemic and heamorrhagic stroke.
 - ii) Define and classify COPD.
 - iii) Enlist glycogen storage diseases.
 - iv) Differentiate between metaplasia and hyperplasia.
 - v) What is apoptosis?
 - vi) Define Myocardial Infarction.
- B) Discuss pathogenesis of Schizophrenia. (3)
- Q.2** Define hypersensitivity reactions. Discuss the mechanism of different types of hypersensitivity reactions. (12)
- Q.3.** a) Explain the HLA system and mechanism involved in graft rejection. (7)
- b) Discuss pathogenesis of Chronic Renal Failure. (5)
- Q4.** Write a short notes on (**ANY THREE**) (12)
- i) Cellular adaptation.
 - ii) Pathogenesis of peptic ulcer.
 - iii) Autoimmune diseases.
 - iv) Amyloidosis.

SECTION-II

- Q.5** A) Attempt **ANY FOUR** of the following: (8)
- i) Write types of shock.
 - ii) Define and classify Pneumonia.
 - iii) Sign and symptoms of dysentery.
 - iv) Enlist the risk factors for syphilis.
 - v) Sign and symptoms of malaria.
 - vi) Write about CO and SO₂.
- B) Discuss biological effects of radiation. (3)
- Q.6** Define metastasis. Differentiate between benign and malignant tumor and explain pathophysiology of cancer. (12)
- Q.7** a) Discuss about the pathophysiology of Tuberculosis. (7)
- b) Discuss in detail pathogenesis of Acute inflammation. (5)
- Q.8** Write a short notes on (**ANY THREE**) (12)
- i) Pathophysiology of hepatitis.
 - ii) Management of shock.
 - iii) Factors influencing wound healing.
 - iv) Pathogenesis of starvation.