

Second Year Pharm. D : SUMMER - 2019

SUBJECT: PATHOPHYSIOLOGY

Day: Friday  
Date: 05/04/2019

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

S-2019-4505

**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.

**SECTION-I**

- Q.1** A) Attempt **ANY FOUR** of the following: (8)
- i) Define CCF.
  - ii) What is glycogen infiltration?
  - iii) Define allergy.
  - iv) Differentiate between Acute and Chronic Renal Failure.
  - v) Enlist the causes of peptic ulcer.
  - vi) Define Atrophy with examples.
- B) Enumerate glycogen storage diseases. (3)
- Q.2** Define cell injury. Explain it's etiology and pathogenesis. (12)
- Q.3.** a) Discuss pathogenesis of hypertension. (7)
- b) Discuss pathogenesis of stroke. (5)
- Q4.** Write a short notes on (**ANY THREE**) (12)
- i) Apoptosis.
  - ii) Cellular adaptations.
  - iii) Mechanism of autoimmunity.
  - iv) Pathogenesis of asthma.

**SECTION-II**

- Q.5** A) Attempt **ANY FOUR** of the following: (8)
- i) Differentiate between benign and malignant tumor.
  - ii) Give symptoms and complications of AIDS.
  - iii) List out difference between Syphillis and Gonorrhoea.
  - iv) Enlist the chemical mediators of inflammation.
  - v) What is hepatitis? Enlist the types of hepatitis.
  - vi) Write about NO and NO<sub>2</sub>.
- B) Discuss the pathogenesis of acute inflammation. (3)
- Q.6** Write in detail about the causes and mechanism involved in difeerent types of shock. (12)
- Q.7** a) Discuss about the pathophysiology of Urinary Tract Infection. (7)
- b) Discuss about the pathophysiology of Obesity. (5)
- Q.8** Write a short notes on (**ANY THREE**) (12)
- i) Protein calorie malnutrition.
  - ii) Biology of tumor.
  - iii) Mechanism of wound healing.
  - iv) Biological effects of radiation.