

[Total No. of Questions - 9]  
(2063)

[Total No. of Printed Pages - 2]

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**B. Pharmacy 4th Semester Examination**

**Pathophysiology & Common Diseases**

**HBP-208**

**Time : 3 Hours**

**Max. Marks : 80**

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

**Note :** Attend five question in all selecting one question from each of the section A, B, C and D of the question paper and all the subparts of the question in Section E.

**SECTION - A**

1. What are the condition that may result in intracellular accumulation of protein, lipid, and carbohydrate can take place? (16)
2. What is hypoxia? Discuss various types of hypoxia injuries. (16)

**SECTION - B**

3. What are the different mediators of inflammation? Explain the arachinoid acid derived inflammatory mediators. (16)
4. Write An exhaustive note on acute inflammation. (16)

**SECTION - C**

5. Describe various causes of congestive heart failure and how you will manage the patients? (16)

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6. Discuss biochemical abnormalities and clinical symptoms in different CNS disorders such as Psychosis, Depression, Mania and Alzheimer's Disease. (16)

#### SECTION - D

7. What is liver cirrhosis? Explain with pathogenesis and clinical significance. (16)
8. What is AIDS? Describe various opportunistic infections that occur in AIDS. (16)

#### SECTION - E

9. Write short notes on—
- (a) Explain the term hypertrophy.
  - (b) Enlist the types of acquired causes of cell injury.
  - (c) What is the role of macrophages in inflammation? Write in brief.
  - (d) Enlist the chemotactic agents responsible in the process of migration of leucocytes in acute inflammation.
  - (e) What is angina pectoris?
  - (f) What are the risk factors for development of atherosclerosis?
  - (g) Write the long term complication of diabetes mellitus.
  - (h) Write down the characteristic symptoms of ulcerative colitis. (8×2=16)