

**Total number of printed pages – 3**      **B. Pharm**  
**PH. 4.9**

**Fourth Semester Examination – 2008**

**PATHOPHYSIOLOGY OF COMMON DISEASES**

**Full Marks – 70**

**Time : 3 Hours**

*Answer Question No. 1 which is compulsory  
and any **five** from the rest.*

*The figures in the right-hand margin  
indicate marks.*



1. Answer the following questions :      2 × 10
- (a) Which gram negative bacteria can cause urinary tract infection ?
  - (b) What is pernicious anaemia ?
  - (c) Write the mode of transmission of AIDS.

- (d) Write any four differences between Type-I and Type-II Diabetes mellitus.
- (e) Write the role of leukotrienes in inflammation.
- (f) How can you differentiate between apoptosis and necrosis ?
- (g) What is the serum uric acid concentration in Gout ?
- (h) What is the difference between transudate and exudate ?
- (i) Write the symptoms of Tuberculosis.
- (j) What do you mean by Monoamine Theory of Depression ?

2. Define Epilepsy. Write the characteristic features of different types of Epilepsy. Discuss the pathogenesis of Epilepsy.      1+5+4
3. What do you mean by Ischaemic Heart Disease (IHD) ? Describe the pathophysiology of Congestive Heart Failure (CHF).      3+7

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**2**

**Contd.**

4. What is cellular adaptation ? What are the types of cellular adaptation ? Discuss the different types of atrophy with example. 1+2+7
5. How can you differentiate atherosclerosis from arteriosclerosis ? Discuss the different theories used to describe the pathogenesis of atherosclerosis. 2+8
6. Write the pathophysiology of : 5×2
  - (a) Viral hepatitis
  - (b) Ulcerative colitis.
7. What are the symptoms of Inflammation ? Describe in detail the vascular events of Inflammation. 2+8
8. Describe the causes, clinical features and pathophysiology of Bronchial asthma. 10