

**September 2010**

**[KX 807]**

**Sub. Code: 3807**

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**

**(Regulations 2008 - 2009)**

**(Candidates admitted from 2008-2009 onwards)**

**SECOND YEAR**

**Paper I – PATHOPHYSIOLOGY**

*Q.P. Code : 383807*

**Time : Three hours**

**Maximum : 70 marks**

**Answer All questions**

**I. Essay Questions :**

**(2 x 20 = 40)**

1. Define Cell Injury. Explain its Etiology and Pathogenesis.
2. Discuss the pathophysiology of i) Atherosclerosis ii) Renal failure.

**II. Write Short Notes :**

**(6 x 5 = 30)**

1. Give the mechanism of wound healing.
2. What is metastasis? List out the differences of benign and malignant tumours.
3. Give the Etiology of diabetes. Discuss the diabetic related complications.
4. Write a brief note on alcoholic liver disease.
5. Explain the Pathophysiology of Stroke.
6. Give the etiology and causes of Edema.

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October 2011

[KZ 807]

Sub. Code: 3807

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**

**SECOND YEAR**

**PAPER I – PATHOPHYSIOLOGY**

*Q.P. Code : 383807*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Define Cell injury. Explain the pathogenesis of cell injury. Add a note on various cellular adaptations.	17	40 min.	20
2. Explain the etiology and pathogenesis of Cancer. List out the differences between benign and malignant cancer.	17	40 min.	20

**II. Write notes on :**

1. Explain the factors that influence the healing of wounds.	4	10 min.	6
2. Explain briefly the pathogenesis and mode of transmission of AIDS.	4	10 min.	6
3. Discuss the pathogenesis of Parkinsonism.	4	10 min.	6
4. Write a brief note on Protein Calorie Malnutrition.	4	10 min.	6
5. Complications of Diabetes Mellitus.	4	10 min.	6
6. Discuss the cause, mode of spread and pathogenesis of Leprosy.	4	10 min.	6
7. Discuss the biological effects of radiation.	4	10 min.	6
8. Write a brief note on Pneumonia.	4	10 min.	6
9. Discuss the pathogenesis of Acute Renal Failure.	4	10 min.	6
10. Explain the mechanism of autoimmunity.	4	10 min.	6

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[LA 807]

APRIL 2012

Sub. Code: 3807

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

SECOND YEAR

PAPER I – PATHOPHYSIOLOGY

Q.P. Code : 383807

Time : 3 hours  
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks  
(Max.) (Max.) (Max.)

1. Explain the process of repair of wounds in the skin.

Mention the factors that influence the healing of wounds.

17 40 20

2. Define hypersensitivity. List out the types of

hypersensitivity. Discuss any two types in detail.

17 40 20

II. Write notes on :

1. Classify autoimmune diseases and discuss the criteria for autoimmunity.

4 10 6

2. Discuss the pathogenesis of Schizophrenia.

4 10 6

3. Explain the process of Apoptosis.

4 10 6

4. Discuss the classification of Tumors.

4 10 6

5. Explain the pathogenesis of Hypertension.

4 10 6

6. Write a brief note on Malaria.

4 10 6

7. Discuss the pathogenesis of type 2 Diabetes Mellitus.

4 10 6

8. Discuss the various stages of Shock.

4 10 6

9. Discuss the pathogenesis of Obesity.

4 10 6

10. Write a note on food allergy.

4 10 6

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[LB 807]

**OCTOBER 2012**  
**PHARM. D DEGREE EXAMS**  
**SECOND YEAR**  
**PAPER I – PATHOPHYSIOLOGY**  
*Q.P. Code : 383807*

**Sub. Code: 3807**

**Time : 3 hours**  
**(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

**Pages Time Marks**  
**(Max.)(Max.)(Max.)**

- |   |    |    |    |
|---|----|----|----|
| 1. Define acute inflammation. Explain the pathogenesis of acute inflammation. Add a note on the chemical mediators of inflammation. | 17 | 40 | 20 |
| 2. Discuss the pathogenesis, symptoms and associated complications of Diabetes.   | 17 | 40 | 20 |

**II. Write notes on :**

- |   |   |    |   |
|---|---|----|---|
| 1. Define Cell injury. Discuss the causes of cell injury.                       | 4 | 10 | 6 |
| 2. Discuss the pathophysiology of atherosclerosis.                              | 4 | 10 | 6 |
| 3. Write a note on T and B lymphocytes.   | 4 | 10 | 6 |
| 4. Give the etiology of Peptic Ulcer. Discuss the pathogenesis of Peptic Ulcer. | 4 | 10 | 6 |
| 5. Write a brief note on Alcoholic Liver Disease.                               | 4 | 10 | 6 |
| 6. Discuss the etiology of Cancer.  | 4 | 10 | 6 |
| 7. Write a brief note on Urinary Tract Infections.                              | 4 | 10 | 6 |
| 8. Pathogenesis of HIV infection.   | 4 | 10 | 6 |
| 9. Discuss the pathogenesis of Asthma.  | 4 | 10 | 6 |
| 10. Discuss the pathogenesis of Ischemic Stroke.                                | 4 | 10 | 6 |

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[LC 807]

**APRIL 2013**  
**PHARM. D DEGREE EXAMS**  
**SECOND YEAR**  
**PAPER I – PATHOPHYSIOLOGY**  
*Q.P. Code : 383807*

**Sub. Code: 3807**

**Time : 3 hours**

**Maximum : 100 marks**

**I. Elaborate on :**

**(2x20=40)**

1. Discuss the pathophysiology of
  - a) Hypertension.
  - b) Atherosclerosis.
  
2. Write a note on the following
  - a) Protein Calorie Malnutrition.
  - b) Pathophysiology of Diabetes Mellitus.

**II. Write notes on :**

**(10x6=60)**

1. Write a note on Acquired Immune Deficiency Syndrome (AIDS).
2. Explain the Etiology and Pathogenesis of cancer.
3. Explain the factors that influence the healing of wounds.
4. Discuss the pathophysiology of stroke.
5. What is the metastasis? List out the differences of benign and malignant tumors.
6. Discuss the biological effects of radiation.
7. Write a brief note on vitamins.
8. Write a brief note on alcoholic liver disease.
9. Discuss the pathophysiology of Asthma and Chronic obstructive airway diseases.
10. Discuss the cause, mode of spread and pathogenesis of Tuberculosis.

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[LD 807]

OCTOBER 2013

Sub. Code: 3807

**PHARM. D DEGREE EXAMINATIONS**

**SECOND YEAR**

**PAPER I – PATHOPHYSIOLOGY**

*Q.P. Code : 383807*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer ALL questions in the same order**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. a) Define Malaria. Explain in detail the life cycle of malaria.  
b) Causes, clinical manifestation and pathogenesis of typhoid.
2. a) What is Hepatitis? Discuss in detail the types of hepatitis  
b) Pathogenesis of ulcerative colitis.

**II. Write notes on:**

**(10 x 3 = 30)**

1. Pathogenesis of peptic ulcer
2. Mechanism of parkinsonism
3. Types of stroke and its pathophysiology
4. Define congestive cardiac failure and add a note on its pathophysiology
5. Mechanism and stages of shock
6. Differentiate benign and malignant tumor
7. Pathophysiology of chronic renal failure
8. Pathogenesis of Chronic obstructive airway disease
9. Pathophysiology of Asthma
10. Biological effects of radiations.

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[LE 807]

APRIL 2014

Sub. Code: 3807

**PHARM. D DEGREE EXAMS  
SECOND YEAR  
PAPER I – PATHOPHYSIOLOGY**

*Q.P. Code : 383807*

**Time : 3 hours**

**Maximum : 70 marks**

**I. Elaborate on :**

**(2x20=40)**

1. a) Write brief notes of pathogenesis of cancer and elucidate the difference between benign and malignant tumor.  
b) Explain about spread of malignant tumor and factors influencing cancer.
2. Define the term auto immunity and explain the mechanism of Autoimmunity. Classify autoimmune disease and explain in detail about pathophysiology of any three auto immune disease.

**II. Write notes on :**

**(10x3=30)**

1. Define hypersensitivity. List out the types of hypersensitivity. Discuss any two types in detail.
2. Mechanism of auto immunity and organ rejection
3. Write a brief note on Urinary Tract Infections
4. Explain about the process involved chronic inflammation.
5. Peptic ulcer disease
6. Write short notes on causes and pathogenesis of cell injury
7. Pathophysiology of Parkinson's disease.
8. Discuss brief notes on pathophysiology of tuberculosis.
9. Classify tumor and write brief notes on each.
10. Pathophysiology of amyloid deposition with disease model

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