

(LN 2020)

SEPTEMBER 2018

Sub. Code: 2020

**B.PHARM. DEGREE EXAMINATION  
PCI REGULATION – SEMESTER II  
FIRST YEAR  
PAPER IV – PATHOPHYSIOLOGY**

*Q.P. Code: 562020*

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions.**

**(2 x 10 = 20)**

1. Explain about causes and pathogenesis of cell injury.
2. Give in detail about types of inflammation with their mechanism.
3. Discuss about etiology and pathogenesis of diabetes mellitus.

**II. Write notes on: Answer any SEVEN questions.**

**(7 x 5 = 35)**

1. Describe the etiology of acute renal failure.
2. Write notes on clinical signs of inflammation.
3. Explain about classification of cancer.
4. Write briefly about pathogenesis of tuberculosis.
5. Give notes on gonorrhoea and syphilis.
6. Define congestive heart failure and write its pathophysiology.
7. Write about inflammatory bowel diseases.
8. Explain the signs and symptoms of gout.
9. Explain about peptic ulcer disease.

**III. Short answers on: Answer ALL questions.**

**(10 x 2 = 20)**

1. Calcification.
2. Hypertrophy.
3. Metaplasia.
4. Atherosclerosis.
5. Myocardial infarction.
6. Megaloblastic anemia.
7. Stroke.
8. Osteoporosis.
9. What are the Causes for Schizophrenia?
10. Meningitis.

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(LO 2020)

MARCH 2019

Sub. Code: 2020

**B.PHARM. DEGREE EXAMINATION**  
**PCI Regulation – SEMESTER II**  
**PAPER IV – PATHOPHYSIOLOGY**

*Q.P. Code: 562020*

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions.**

**(2 x 10 = 20)**

1. Discuss the etiology, and pathophysiology of Hypertension.
2. Describe on Pathophysiology of Acute renal failure and Chronic renal failure.
3. Define Diabetes. And write the causes, symptoms and pathophysiology of Diabetes.

**II. Write notes on: Answer any SEVEN questions.**

**(7 x 5 = 35)**

1. Discuss about the Infections diseases.
2. Write short notes on mechanism of cellular inflammation.
3. Pathophysiology of Peptic Ulcer.
4. Notes on Parkinson's disease.
5. Enumerate on Pathophysiology Hepatitis.
6. Etiology of cancer.
7. Angina pectoris and their symptoms.
8. Syphilis and Gonorrhoea.
9. Discuss briefly about the various hormone disorders.

**III. Short answers on: Answer ALL questions.**

**(10 x 2 = 20)**

1. Cytokines.
2. DOT therapy.
3. Signs of inflammation.
4. Hypertrophy.
5. Ketoacidosis.
6. Hematuria.
7. Atheroma.
8. Sign of Schizophrenia.
9. Gangrene.
10. Give the risk factors for AIDS.

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(LP 2020)

SEPTEMBER 2019

Sub. Code: 2020

**B.PHARM. DEGREE EXAMINATION**  
**PCI Regulation – SEMESTER II**  
**PAPER IV – PATHOPHYSIOLOGY**

*Q.P. Code: 562020*

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions.**

**(2 x 10 = 20)**

1. Discuss about the various inflammatory mediators and their role in inflammatory process.
2. Describe the etiology and pathophysiology of congestive heart failure.
3. Elaborate on etiopathogenesis of iron deficiency anemia and megaloblastic anemia.

**II. Write notes on: Answer any SEVEN questions.**

**(7 x 5 = 35)**

1. Etiology of various types of viral hepatitis.
2. Enumerate on pathophysiology of gout.
3. Write a note on etiopathogenesis of AIDS.
4. Define meningitis and write about different types of meningitis.
5. Write a note on various stages of alcoholic liver disease.
6. Enumerate on pathophysiology of Parkinson's disease.
7. Write causes and pathogenesis of acute renal failure.
8. Describe the different types of necrosis.
9. Write about various stages of urinary tract infection.

**III. Short answers on: Answer ALL questions.**

**(10 x 2 = 20)**

1. Define metaplasia with suitable example.
2. Cause and prevention of Gonorrhoea.
3. Write the causes of extrinsic asthma.
4. List the etiology of peptic ulcer.
5. Grave's disease.
6. Write the causes of Osteoporosis.
7. Classify inflammatory bowel disease.
8. Define epilepsy.
9. Causes and prevention of typhoid.
10. What is wound healing?

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(LQ 2020)

MARCH 2020

Sub. Code: 2020

**B.PHARM. DEGREE EXAMINATION**  
**PCI Regulation – SEMESTER II**  
**PAPER IV – PATHOPHYSIOLOGY**

*Q.P. Code: 562020*

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions.**

**(2 x 10 = 20)**

1. Describe on pathogenesis and morphology of Cell injury.
2. Define Asthma. Write the causes, symptoms and pathophysiology of Asthma.
3. Describe the etiology and pathophysiology of acute renal failure.

**II. Write notes on: Answer any SEVEN questions.**

**(7 x 5 = 35)**

1. Discuss about the various Mediators of Inflammation.
2. Write notes on Epilepsy.
3. Describe briefly on Rheumatoid Arthritis.
4. Pathogenesis of Acquired Immunodeficiency Syndrome.
5. Explain Homeostasis and the concept of Negative feedback.
6. Enumerate on the Pathogenesis of Cancer.
7. Discuss the mode of transmission and pathophysiology of Leprosy.
8. Notes on Stroke and its etiology.
9. Write notes on Meningitis.

**III. Short answers on: Answer ALL questions.**

**(10 x 2 = 20)**

1. Haemolytic Anemia.
2. Hyperplasia.
3. Grave's disease.
4. Various stages of Chronic Kidney Disease.
5. Pathogenesis of Gout.
6. Define Goitre.
7. Acromegaly.
8. Angiogenesis.
9. Types of Acute Myocardial Infarction.
10. Ejection fraction.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BPHARM 0321]**

**MARCH 2021**

**Sub. Code: 2020**

**(SEPTEMBER 2020 EXAM SESSION)**

**B. PHARMACY DEGREE EXAMINATION**

**PCI Regulation SEMESTER – II**

**PAPER IV – PATHOPHYSIOLOGY**

***Q.P. Code : 562020***

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. Describe in detail the etiology and pathogenesis of Congestive Heart Failure.
2. Elaborate on the pathogenesis, etiology and symptoms of any two Psychiatric Disorders.
3. Discuss in detail the various disorders of Thyroid Gland.

**II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)**

1. Write a note on Pathologic Calcification.
2. Acute Myocardial Infarction and its pathogenesis.
3. Discuss briefly on Gout.
4. Enumerate on the pathogenesis of Asthma.
5. Etiological causes of acquired and inherited Aplastic Anaemia.
6. Write short notes on Irreversible Cell Injury.
7. Notes on Chronic Inflammatory Cells and various secretions involved in Chronic Inflammation.
8. Discuss about the pathogenesis and clinical complications of Rheumatoid Arthritis.
9. Write notes on Acute Renal Failure.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. Types of Depression.
2. Dysplasia.
3. Homeostasis.
4. Hypokalemia.
5. Haemolytic Jaundice.
6. Cushing's disease.
7. Epilepsy.
8. Hypertension.
9. Meningitis.
10. Glomerulonephritis.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BPHARM 0122]**

**JANUARY 2022  
(MARCH 2021 EXAM SESSION)**

**Sub. Code: 2020**

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)  
PCI Regulation 2017 – SEMESTER II  
PAPER IV – PATHOPHYSIOLOGY  
Q.P. Code : 562020**

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. Describe the etiology, pathogenesis and complications of Ischemic Heart Disease.
2. Elaborate on the etiology, symptoms and pathogenesis of Chronic Obstructive Pulmonary Disease.
3. Discuss the different types of blood disorders. And write the causes, symptoms and pathogenesis of Sickle Cell Anaemia and Hemophilia.

**II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)**

1. Discuss about the Cellular Adaptation.
2. Pathogenesis of Alzheimer's disease.
3. Discuss briefly on Osteoporosis.
4. Enumerate on pathogenesis of Tuberculosis.
5. Write note on Acute Inflammation.
6. Write short notes on Intercellular Accumulations.
7. Pathogenesis of Typhoid.
8. Pathogenesis and complications of Peptic Ulcer.
9. Notes on Urinary Tract Infections.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. Necrosis.
2. Atrophy.
3. Difference between dystrophic and metastatic calcification.
4. Hypernatremia.
5. Wound Healing.
6. Extrinsic Asthma.
7. Types of Jaundice.
8. Haemorrhagic Stroke.
9. Hepatitis B Virus infection.
10. Clinical features of Leprosy.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BPHARM 0522]**

**MAY 2022**

**Sub. Code: 2020**

**(SEPTEMBER 2021 EXAM SESSION)**

**B. PHARMACY DEGREE EXAMINATION**

**PCI Regulation SEMESTER - II**

**PAPER IV – PATHOPHYSIOLOGY**

***Q.P. Code : 562020***

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions.**

**(2 x 10 = 20)**

1. Define Inflammation. Explain in detail the process of Inflammation.
2. Discuss the pathophysiology, causes and symptoms of congestive heart disease.
3. Discuss the different types of epilepsy and its pathophysiology.

**II. Write notes on: Answer any SEVEN questions.**

**(7 x 5 = 35)**

1. Discuss about the types of Anaemia.
2. Write the pathophysiology and treatment for peptic ulcer.
3. Give the etiology and clinical features of ulcerative colitis.
4. What is Rheumatoid Arthritis? Give its causes and symptoms.
5. Write notes on types of urinary tract infections and its treatment.
6. Give notes on any two sexually transmitted diseases.
7. Explain about a disease of nervous system.
8. Give notes on inflammatory Bowel disease.
9. Discuss about pathophysiology of asthma.

**III. Short answers on: Answer ALL questions.**

**(10 x 2 = 20)**

1. Atheroma.
2. Angina.
3. Myocardial infarction.
4. Azotemia.
5. Suppuration.
6. Urolithiasis.
7. Gout.
8. Podagra.
9. Proctitis.
10. Thrombosis.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BPHARM 1022]**

**OCTOBER 2022  
(MARCH 2022 EXAM SESSION)**

**Sub. Code: 2020**

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)  
PCI Regulation 2017 – SEMESTER II  
PAPER IV – PATHOPHYSIOLOGY  
Q.P. Code : 562020**

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. Describe on Pathogenesis and classification of Cancer.
2. Write in detail about Pathophysiology signs and symptoms of Acquired Immune Deficiency Syndrome.
3. Explain in brief about principles of Wound healing and mediators of Inflammation.

**II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)**

1. Pathophysiology of Hypertension.
2. Describe briefly on Gout.
3. Write note on Asthma.
4. Briefly describe on Acute Renal Failure.
5. Enumerate pathogenesis of Iron Deficiency Anemia.
6. Write the types, signs, symptoms and pathophysiology of Epilepsy.
7. Pathogenesis of Ulcer.
8. Etiology and pathophysiology of Tuberculosis.
9. Types and morphology of Cell Injury.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. Causes of Gonorrhoea.
2. Signs and symptoms of Meningitis.
3. Classification of Hepatitis.
4. List out Thyroid diseases.
5. Management of Megaloblastic Anemia.
6. Types of Angina.
7. Diapedesis.
8. Types of Jaundice.
9. Metaplasia.
10. Homeostasis.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[B.PHARM 0323]**

**MARCH 2023  
(SEPTEMBER 2022 EXAM SESSION)**

**Sub. Code: 2020**

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)  
PCI Regulation 2017 – SEMESTER II  
PAPER IV – PATHOPHYSIOLOGY**

*Q.P. Code: 562020*

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. Explain in detail about causes, pathogenesis and morphology of Cellular Injury.
2. List out and describe on Ischemic Heart Diseases.
3. Write in detail about classification, etiology and pathogenesis of Urinary Tract Infections.

**II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)**

1. Describe briefly on Various Anemia.
2. Classification and pathophysiology of Gout.
3. Note on Colonic Cancer.
4. Classify psychiatric disorders and explain briefly about Depression.
5. Pathogenesis of Syphilis and Gonorrhoea.
6. Signs, symptoms and pathogenesis of Diabetes.
7. Note on Chronic Renal Failure.
8. Cardinal signs of Inflammation.
9. Cause, pathogenesis, signs, symptoms and diagnostic method of Enteric Fever.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. Meningitis.
2. Dots Therapy.
3. Causes and transmissions of Hepatitis B.
4. List out inflammation Bowel Disease.
5. Helicobacter Pylorus Infection.
6. Types of Epilepsy.
7. Steatosis.
8. Margination.
9. Causes and transmissions of leprosy.
10. Dysplasia.

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