

B.Pharm I Year II Semester (R19) Supplementary Examinations February 2023

PATHOPHYSIOLOGY

(For 2019, 2020 & 2021 admitted batches only)

Time: 3 hours

Max. Marks: 75

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- | | |
|---|----|
| (a) Write a brief note on homeostasis. | 2M |
| (b) What is electrolyte imbalance? How to overcome it? | 2M |
| (c) Define and classify types of hypertension. | 2M |
| (d) Define atherosclerosis and arteriosclerosis. | 2M |
| (e) List out the complications of diabetes mellitus. | 2M |
| (f) Write a short note on thalassemia. | 2M |
| (g) Write the etiology and clinical manifestations of jaundice. | 2M |
| (h) Differentiate the osteoporosis and gout. | 2M |
| (i) Write the causative agent and etiology of typhoid. | 2M |
| (j) Write the causative agent and etiology of syphilis. | 2M |

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

- | | |
|--|-----|
| 2 (a) Discuss about cell membrane damage and mitochondrial damage. | 5M |
| (b) Write a note on mediators of inflammation. | 5M |
| 3 Describe the pathogenesis of congestive heart failure. | 10M |
| 4 Write the classification, etiology and pathogenesis of cancer. | 10M |

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

- | | |
|--|----|
| 5 Discuss about feedback systems. | 5M |
| 6 Write a note on types of inflammation. | 5M |
| 7 Explain the pathogenesis of angina pectoris. | 5M |
| 8 Discuss about COPD. | 5M |
| 9 Write a note on pathophysiology of schizophrenia. | 5M |
| 10 Describe the various disorders of sex hormones. | 5M |
| 11 Explain the etiology and pathophysiology of rheumatoid arthritis. | 5M |
| 12 Write a note on inflammatory bowel diseases. | 5M |
| 13 Explain the pathogenesis of gonorrhoea. | 5M |

Code: BP204T

B.Pharm I Year II Semester (R19) Supplementary Examinations April/May 2022**PATHOPHYSIOLOGY**
(For 2020 admitted batches only)

Max. Marks: 75

Time: 3 hours

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define metaplasia.
 - (b) Define immigration.
 - (c) Define atherosclerosis.
 - (d) Mention types of dialysis.
 - (e) Mention symptoms of diabetes.
 - (f) Mention symptoms of schizophrenia.
 - (g) Define rheumatoid arthritis.
 - (h) Define metastasis.
 - (i) Name the causative organism for leprosy.
 - (j) Name the causative organism for gonorrhea.

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

- 2 (a) Write the pathophysiology of hypertension.
(b) Add a short note on syphilis.
- 3 (a) Explain pathogenesis of cell injury.
(b) Enumerate etiology and pathogenesis of tuberculosis.
- 4 (a) Write the pathophysiology of peptic ulcer disease.
(b) List out difference between benign and malignancy cancer.

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

- 5 (a) What are the various biochemical intracellular accumulations found in cell injury?
(b) Add a short note on mechanism of inflammation.
- 6 (a) Give a note on repair of wound with factors influencing wound healing.
(b) Discuss on chemical mediators of inflammation.
- 7 (a) Explain the pathophysiology of CCF.
(b) Explain the etiology of myocardial infarction.
- 8 (a) Explain the pathophysiology of diabetes mellitus.
(b) Write short note on depression.
- 9 (a) Discuss brief note on pathophysiology of Parkinson's disease.
(b) Write about etiopathogenesis of asthma.

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- 10 (a) Write a brief note on alcoholic liver disease.
(b) Define sickle cell anemia.
- 11 (a) Write the pathophysiology and clinical manifestation of meningitis.
(b) Write a short note on typhoid.
- 12 (a) Explain the pathophysiology of rheumatoid arthritis.
(b) Write a short note on gout.
- 13 (a) Explain briefly mode of transmission of AIDS and write diagnostic tests for AIDS.
(b) Write a short note on haemophilia.

B.Pharm I Year II Semester (R19) Regular Examinations November 2022

PATHOPHYSIOLOGY

(For 2021 admitted batch only)

Time: 3 hours

Max. Marks: 75

PART – A

(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

- | | |
|---|----|
| (a) Define pathogenesis. | 2M |
| (b) Write the examples of mediators of inflammations. | 2M |
| (c) Write the normal conditions parameters value of CVS. (BP & ECG) | 2M |
| (d) What is GFR? | 2M |
| (e) Write the types of epilepsy with definition. | 2M |
| (f) Write the names of iron deficiency syndromes and its symptoms. | 2M |
| (g) Write the role of bile salts in the jaundice. | 2M |
| (h) Define and classify Gout. | 2M |
| (i) Define and classify tuberculosis. | 2M |
| (j) What are various preventive measures in syphilis? | 2M |

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

- | | | |
|---|--|-----|
| 2 | Define and classify cellular injuries. Explain the various mechanisms involved in cellular injuries with suitable example of conditions. | 10M |
| 3 | (a) Write an exhaustive note on CHF. | 5M |
| | (b) Define and classify diabetes. What are primary causes of it and mention various preventive measures for the same? | 5M |
| 4 | (a) Define and classify term cancer. Write an account on pathogenesis of cancer. | 6M |
| | (b) Write a note on pathophysiology of tuberculosis. | 4M |

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

- | | | |
|----|---|----|
| 5 | Define and classify inflammation and mention the clinical signs of it. | 5M |
| 6 | Write a note on renal failure and its management. | 5M |
| 7 | Write a complete note on megaloblastic anaemia. | 5M |
| 8 | What do you mean by alcoholic liver diseases? Explain the mechanisms involved in pathogenesis of it and its management. | 5M |
| 9 | Write a complete note on pathophysiology of Atherosclerosis. | 5M |
| 10 | Discuss the mechanism of peptic ulcers. Explain the preventive measures for it. | 5M |
| 11 | Write a complete note on sickle cell anaemia. | 5M |
| 12 | Write an exhaustive note on UTI. | 5M |
| 13 | Discuss the various mechanisms involved in the progression of sexually transmitted diseases. Mention the preventive measures to minimize its spreading. | 5M |

B.Pharm I Year II Semester (R19) Regular Examinations November/December 2021
PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 75

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- Define homeostasis.
 - Define hypertrophy.
 - Write types of hypertension.
 - Define asthma.
 - Write examples of microcytic anaemia.
 - Write cardinal features of Parkinson's disorder.
 - List out the types of hepatitis.
 - Write manifestations of rheumatoid arthritis.
 - Give the symptoms of syphilis and gonorrhoea.
 - Write causes and symptoms of typhoid.

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

- 2
- List out the types and stages of inflammation.
 - Write short notes on mitochondrial damage.
- 3
- What are the types of epilepsy/seizures?
 - Write about manifestations of hyperthyroidism.
- 4
- Give the classification of cancers.
 - Explain pathophysiology of tuberculosis.

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

- 5
- What are the causes of cellular injury?
 - Write a short note on intracellular accumulation.
- 6
- Enumerate the complications of diabetes mellitus.
 - List out the types of renal failure.
- 7
- Give a note on pathogenesis of chronic obstructive pulmonary disorder.
 - Write types of gastric ulcer.
- 8
- List out the types of stroke.
 - List out the types of cervicitis.
- 9
- Write short notes on fatty liver disease.
- 10
- Discuss about Helicobacter pylori infection.
- 11
- Explain in detailed note on Osteomalacia.
- 12
- Write about Angiogenesis.
- 13
- What are the causes and types of leprosy?

B.Pharm I Year II Semester (R19) Supplementary Examinations September/October 2021
PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 75

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define atrophy and metaplasia.
 - (b) List out the mediators of inflammation.
 - (c) Explain unstable and variant angina pectoris.
 - (d) Write the sign and symptoms of renal failure.
 - (e) Define megaloblastic anaemia.
 - (f) Write the causes of stroke.
 - (g) What is inflammatory bowel disease?
 - (h) Write the aetiology of cancer.
 - (i) Differentiate paucibacillary leprosy and multibacillary leprosy.
 - (j) Write the mode of transmission of typhoid.

PART – B
(Answer any two questions: 02 X 10 = 20 Marks)

- 2 (a) Explain the basic principles of wound healing in the skin.
(b) Write a note on chronic obstructive airways disease.
- 3 (a) Discuss about various thyroid diseases.
(b) Explain the pathophysiology of Alzheimer's disease.
- 4 (a) Illustrate the pathophysiology of gout.
(b) Explain pathophysiology of jaundice.

PART – C
(Answer any seven questions: 07 X 05 = 35 Marks)

- 5 Write a note on cell membrane damage and nuclear damage.
- 6 Discuss about different types of inflammation.
- 7 Write the pathophysiology of myocardial infarction.
- 8 Write the aetiology and pathophysiology of depression.
- 9 Discuss about pathophysiology of peptic ulcer.
- 10 Write the pathophysiology of rheumatoid arthritis.
- 11 Explain the pathophysiology of alcoholic liver disease.
- 12 Write short notes on meningitis.
- 13 Write in detail about urinary tract infections.

B.Pharm I Year II Semester (R19) Supplementary Examinations March 2022

PATHOPHYSIOLOGY

(For 2019 admitted batch only)

Time: 3 hours

Max. Marks: 75

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- Explain negative feedback mechanism.
 - Define hyperplasia.
 - Define myocardial infarction.
 - Difference between asthma and chronic obstructive pulmonary disorder.
 - Give examples of normocytic anaemia.
 - What is asthma?
 - Define steatosis.
 - Give an account on manifestations of gout.
 - Explain organisms that cause tuberculosis and leprosy.
 - Define meningitis.

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

- 2 Write short notes on:
- Stages of atherosclerosis.
 - Nuclear damage.
- 3 Discuss about:
- Steps in carcinogenesis.
 - Pathophysiology of peptic ulcer.
- 4
- Explain types of osteoporosis in detail.
 - Give an account on manifestations of acquired immune deficiency syndrome.

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

- 5 Write short notes on morphology of cell injury.
- 6 Briefly explain about mediators of inflammation.
- 7 Write the symptoms of congestive heart failure.
- 8 Discuss the role of neurotransmitters in depression.
- 9 Explain the types of jaundice.
- 10 Define and classify inflammatory bowel disease.
- 11 What are the factors that influence tissue repair?
- 12 Write short notes on tumour antigens.
- 13 Give an account on symptoms of urinary tract infection.

Code: BP204T

B.Pharm I Year II Semester (R19) Supplementary Examinations September 2022
PATHOPHYSIOLOGY
(For 2019 & 2020 admitted batch only)

Max. Marks: 75

Time: 3 hours

PART – A
(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

- (a) Define homeostasis.
- (b) Define alkalosis & acidosis.
- (c) Write the names of any two obstructive airway diseases and its symptoms.
- (d) Write the normal conditions parameters value of CVS. (BP & ECG).
- (e) Discuss the symptoms of sickle cell anaemia.
- (f) Write the names of disorders of sex hormones and its symptoms.
- (g) What do you mean by term cancer?
- (h) Enumerate primary causes of hepatitis.
- (i) Write any five drugs used in the treatment of Tuberculosis.
- (j) Write the primary causes responsible for UTI.

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

- 2 What do you mean by inflammation? Explain the basic mechanisms involved in the process of inflammation and repair with suitable examples.
- 3 (a) Write a detail account on hereditary acquired anaemia.
(b) Discuss the mechanism of peptic ulcers. Explain the preventive measures for it.
- 4 Define and classify term cancer. Give an exhaustive account on pathogenesis of cancer.

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

- 5 Discuss the causes of cellular injury.
- 6 Write an exhaustive note on electrolyte imbalance and its effects.
- 7 Write a detail note on CHF and its management.
- 8 Define & classify diabetes. What are primary causes of it and mention various preventive measure for the same?
- 9 Explain the mechanism of Rheumatoid arthritis and preventive measures for it.
- 10 Write an exhaustive note on UTI.
- 11 Write a note on sexually transmitted diseases and mention various mechanisms involved in progression, how can minimize its spreading.
- 12 Define & classify the term Alzheimer's diseases. Explain the various mechanisms involved in pathogenesis.
- 13 Write a complete note on pathophysiology of respiratory tract infections.
