

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) Supplementary Examinations September 2022

PATHOPHYSIOLOGY

(For 2019 & 2020 admitted batch only)

Time: 3 hours

Max. Marks: 75

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 measures 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 its progression, how can minimize its spreading.
- 12 Define & classify the term Alzheimer's diseases. Explain the various mechanisms involved in its pathogenesis.
- 13 Write a complete note on pathophysiology of respiratory tract infections.

B.Pharm I Year II Semester (R19) Supplementary Examinations April/May 2022

PATHOPHYSIOLOGY

(For 2020 admitted batches only)

Time: 3 hours

Max. Marks: 75

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 gonorrhoea.

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.

Contd. in page 2

- 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) 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)
- (a) Explain negative feedback mechanism.
 - (b) Define hyperplasia.
 - (c) Define myocardial infarction.
 - (d) Difference between asthma and chronic obstructive pulmonary disorder.
 - (e) Give examples of normocytic anaemia.
 - (f) What is asthma?
 - (g) Define steatosis.
 - (h) Give an account on manifestations of gout.
 - (i) Explain organisms that cause tuberculosis and leprosy.
 - (j) Define meningitis.

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

- 2 Write short notes on:
- (a) Stages of atherosclerosis.
 - (b) Nuclear damage.
- 3 Discuss about:
- (a) Steps in carcinogenesis.
 - (b) Pathophysiology of peptic ulcer.
- 4
- (a) Explain types of osteoporosis in detail.
 - (b) 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.

PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 75

PART – A
(Compulsory Question)

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

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

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

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

- 5 (a) What are the causes of cellular injury?
(b) Write a short note on intracellular accumulation.
- 6 (a) Enumerate the complications of diabetes mellitus.
(b) List out the types of renal failure.
- 7 (a) Give a note on pathogenesis of chronic obstructive pulmonary disorder.
(b) Write types of gastric ulcer.
- 8 (a) List out the types of stroke.
(b) 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.

PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 75

PART – A

(Compulsory Question)

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

- (a) Define homeostasis.
- (b) What is atherosclerosis?
- (c) Define hypertension.
- (d) What is asthma?
- (e) Define hemophilia.
- (f) Define Alzheimer's disease.
- (g) Define cancer.
- (h) What is rheumatoid arthritis?
- (i) What is tuberculosis?
- (j) Define AIDS.

PART – B

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

- 2 (a) Define and explain the mechanism of inflammation.
(b) Explain the etiopathogenesis of myocardial infarction.
- 3 (a) What is renal failure? Explain the aetiology of renal failure.
(b) Explain the pathophysiology of cancer.
- 4 (a) Write the risk factors and pathophysiology of tuberculosis.
(b) Explain the etiopathogenesis of Alzheimer's disease.

PART – C

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

- 5 (a) Explain the morphology of cell injury.
(b) Write the clinical signs of inflammation.
- 6 (a) Explain the pathophysiology of heart failure.
(b) Write the pathophysiology acute renal failure.
- 7 (a) Explain the etiopathogenesis of sickle cell anemia.
(b) Write the pathophysiology of Parkinson's disease.
- 8 (a) Define and classify inflammatory Bowels disease.
(b) Explain the etiopathogenesis of osteoporosis.

Contd. in page 2

- 9 (a) Write the clinical manifestations of Gonorrhoea.
(b) Write the clinical manifestations of Typhoid.
- 10 (a) Explain the etiopathogenesis of Hepatitis B.
(b) Write the pathophysiology of Gout.
- 11 (a) Explain the clinical manifestations of peptic ulcer.
(b) Write the pathophysiology of schizophrenia.
- 12 (a) Write the etiopathogenesis of atherosclerosis.
(b) Write the laboratory tests required for chronic renal failure.
- 13 (a) Explain the process of healing wound.
(b) Write the causes of cell injury.

PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 75

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define reversible cell injury.
 - (b) What are the signs of inflammation?
 - (c) Define congestive heart failure.
 - (d) Define chronic obstructive pulmonary disease.
 - (e) What is Thalassemia?
 - (f) Define diabetes.
 - (g) Define alcoholic liver disease.
 - (h) Write the aetiology of cancer.
 - (i) What causes meningitis?
 - (j) Name the responsible pathogen causing syphilis and gonorrhoea.

PART – B

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

- 2 (a) Describe the etiology of cell injury.
(b) Explain about hypertensive arteriosclerosis.
- 3 (a) Write the pathophysiology of hypochromic anemia.
(b) Explain the pathogenesis of peptic ulcer.
- 4 (a) Write the morphological features of osteoporosis.
(b) List the predisposing factors of the development of tumors.

PART – C

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

- 5 (a) Explain the molecular mechanisms in Apoptosis.
(b) What is metabolic acidosis?
- 6 (a) Explain the hemodynamic changes of inflammation.
(b) Write about healing of skin wounds.
- 7 (a) Write the etiology of heart failure.
(b) Explain the etiopathogenesis of chronic bronchitis.
- 8 (a) Explain the etiopathogenesis of chronic renal failure.
(b) Describe briefly about Cor Pulmonale.
- 9 (a) Write the etiology and classification of megaloblastic anemia.
(b) Write the mechanisms of Thalassemia.

Contd. in page 2

- 10 (a) Explain the etiopathogenesis of Parkinson disease.
- (b) Write a note on hyperparathyroidism.

- 11 (a) Write the complications of Crohn's disease.
- (b) Write the etiopathogenesis of Ulcerative colitis.

- 12 (a) Write the clinical and gross features of malignant tumours.
- (b) Write a note on the spread of the tumours.

- 13 (a) Write the etiopathogenesis of Leprosy.
- (b) Write the clinical manifestations of Tuberculosis.
