

B.Pharm II Year II Semester (R15) Supplementary Examinations September 2022
PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 70

PART – A
 (Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- Write a short note on electrolyte in balance.
 - What is cell injury? Give causes of cell injury.
 - Mention the symptoms of urinary tract infection.
 - What is angina pectoris? Give types, symptoms and causes of angina pectoris.
 - Write in detail about classification and signs and symptoms of depression.
 - How will you differentiate between rheumatoid arthritis osteoarthritis?
 - Give different types and causes of epilepsy.
 - What is rheumatoid arthritis and explain the pathogenesis of rheumatoid arthritis?
 - Write a note on chronic bronchitis.
 - Explain causes and symptoms of renal failure.

PART – B
 (Answer all the questions: 05 X 10 = 50 Marks)

- Write a note on cell injury.
 - Explain about acidosis and alkalosis.

OR

 - What is inflammation? Give clinical signs, classification and mediators of inflammation.
 - Explain wound healing process in skin.
- Give reasons of cancer. Also explain pathophysiology of cancer.
 - Discuss about types of cancer.

OR

 - Write about the mechanism of carcinogenesis.
 - What is cancer? Discuss about principles of cancer.
- Write a note on myocardial infarction.
 - Discuss about pathophysiology of CHF.

OR

 - Write a note on hyperthyroidism and hypothyroidism.
 - What is diabetes mellitus? Give complications of diabetes mellitus.
- Explain about etiology of depression. Also enlist the complications of depression.
 - Write a note on schizophrenia.

OR

 - Explain pathogenesis, causes and symptoms of peptic ulcer.
 - What do you mean by gout? Explain pathogenesis of gout.
- Give pathogenesis, signs and symptoms of T.B.
 - Write a note on hepatitis.

OR

 - Write a note on urinary tract infection.
 - Enlist signs and symptoms, causes, complications of asthma.

B.Pharm II Year II Semester (R15) Supplementary Examinations March 2022
PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define cell injury and hypoxia.
 - (b) Write a short note on acute inflammation.
 - (c) Write the various causes of cancer.
 - (d) Differentiate the normal cell cycle and cancer cell cycle.
 - (e) Define diabetes and write the sign and symptoms of diabetes.
 - (f) Define congestive heart failure.
 - (g) Write the aetiology of gout.
 - (h) Define grand mal seizure and petit mal seizure.
 - (i) Differentiate extrinsic asthma and intrinsic asthma.
 - (j) Write the causes of renal failure.

PART – B
(Answer all the questions: 05 X 10 = 50 Marks)

- 2 (a) Explain different types of cellular adaptation.
(b) Write a note on pathogenesis of cell injury.
- OR**
- 3 (a) Explain the mechanism involved in repair.
(b) Illustrate the stages of acute inflammation.
- 4 Explain the pathogenesis of cancer.
- OR**
- 5 Explain about apoptosis and cell differentiation.
- 6 Explain the pathogenesis of myocardial infarction.
- OR**
- 7 Discuss in detail about atherosclerosis.
- 8 Explain the pathogenesis of epilepsy.
- OR**
- 9 Write the aetiology, symptoms and pathophysiology of peptic ulcer.
- 10 Explain clinical classification and pathophysiology of asthma.
- OR**
- 11 Write short notes on AIDS.

B.Pharm II Year II Semester (R15) Supplementary Examinations September 2021
PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define autolysis and apoptosis.
 - (b) List out the types of cellular injury.
 - (c) Define and specify types of cancer.
 - (d) What are the markers involved in diagnosis of cancer.
 - (e) Write the causes of hypertension.
 - (f) Differentiate unstable and variant angina pectoris.
 - (g) Define osteoporosis and depression.
 - (h) Write the sign and symptoms of arthritis.
 - (i) Write the mode of transmission of tuberculosis.
 - (j) Write the causes of urinary tract infections.

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Describe the morphology of cell injury.
(b) Discuss various causes of cell injury.

OR

- 3 (a) Discuss about mechanism involved in inflammation.
(b) Write a note on mediators of inflammation.

UNIT – II

- 4 Explain the molecular mechanism of carcinogenesis.

OR

- 5 Discuss in detail about normal cell cycle and cancer cell cycle.

UNIT – III

- 6 Explain the aetiology, types and pathophysiology of diabetes.

OR

- 7 Discuss types and pathophysiology of hypertension.

UNIT – IV

Write the pathogenesis of Parkinson's disease.

OR

Explain in detail about pathogenesis of arthritis.

UNIT – V

Explain types, aetiology and pathophysiology of hepatitis.

OR

Explain aetiology and pathophysiology of asthma.

Code: 15R00405

R15

B.Pharm II Year II Semester (R15) Regular & Supplementary Examinations October/November 2020

PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 70

PART - A

(Compulsory Question)

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

- (a) Define apoptosis and necrosis.
- (b) What are chemical mediators? Give example.
- (c) List out the type of cancer.
- (d) Define carcinogenicity.
- (e) Define insulin resistance.
- (f) List out the thyroid problems.
- (g) What is hypertension?
- (h) Write the aetiology of peptic ulcers.
- (i) What is DOT therapy?
- (j) List out the symptom of mania.

PART - B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT - I

2 Explain the steps involved in wound healing process.

OR

- 3 (a) What is cell injury? Add a note on free radical mediated cell injury.
- (b) What is the mechanism involved in inflammation and repair?

UNIT - II

What are the different stages of cancer? Explain the carcinogenesis and its mechanism.

OR

5 Discuss the pathogenesis and types of cancer.

UNIT - III

6 Explain the symptoms, management and complications of diabetes mellitus.

OR

7 Write the symptom, pathophysiology and types of myocardial infarction.

UNIT - IV

8 Describe the symptoms, pathophysiology and management of Parkinson's disease.

OR

9 Differentiate between Arthritis and Osteoporosis.

UNIT - V

- 10 (a) Discuss the pathophysiology of tuberculosis.
- (b) Explain the pathophysiology of AIDS.

OR

11 Explain the causes, symptom and pathophysiology of Acute Hepatitis.

Code: 15R00403

B.Pharm II Year II Semester (R15) Supplementary Examinations September 2021
PHARMACEUTICAL TECHNOLOGY – I

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- Enlist organoleptic additives.
 - Write about polymerization.
 - What are emulsifying agents?
 - Write formulation of dry syrup.
 - Which ideal requirement of a suppository base.
 - Mention two factors influencing the penetration of drugs.
 - Define aerosols.
 - Write pharmaceutical application of aerosols.
 - What is whole human blood?
 - What are plasma substitute.

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Explain the physicochemical properties of the drug that influences formulation development.
OR
3 Explain the stability study for a finished product.

UNIT – II

- 4 What are types of additives used in liquid dosage forms with examples.
OR
5 Explain the preparation and evaluation of dry syrup.

UNIT – III

- 6 Discuss mechanism of drug penetration and factors influencing drug penetration.
OR
7 Explain packaging and evaluation of suppositories.

UNIT – IV

- 8 Discuss about quality control test for aerosols.
OR
9 Explain manufacturing and filling of aerosols.

UNIT – V

- 10 Explain about collection, processing and storage of whole human blood.
OR
11 Explain ideal requirements of PVP, dextran as per IP to maintain blood pressure.
