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B. PHARM.
(SEM II) THEORY EXAMINATION 2017-18
PATHOPHYSIOLOGY (THEORY)

Time: 3 Hours**Total Marks: 75****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

- 1. Attempt *all* questions in brief. 10 x 2 = 20**
- a. What are the two types of feedback system?
 - b. Define atrophy.
 - c. Define COPD.
 - d. What are the causes of ischemic heart disease?
 - e. Define megaloblastic anemia.
 - f. What is healing?
 - g. Enlist the types of cancer.
 - h. What are the causes of osteoporosis?
 - i. What is the causative agent of typhoid?
 - j. The causative agent of syphilis is.....

SECTION B

- 2. Attempt any *two* parts of the following: 2 x 10 = 20**
- a. Write a descriptive note on hypoxia mediated reversible OR irreversible cell injury.
 - b. Write a note on iron deficiency anemia.
 - c. Define hepatitis. What are its various types? Explain them in detail.

SECTION C

- 3. Attempt any *five* parts of the following: 7 x 5 = 35**
- a. Write a note on mediators of inflammation.
 - b. Explain the pathophysiology of asthma OR congestive heart failure.
 - c. Write a note on Alzheimer's disease.
 - d. Write a descriptive note on pathophysiology of peptic ulcer.
 - e. What is rheumatoid arthritis? Explain its pathophysiology in detail.
 - f. Write a note on leprosy OR goiter.
 - g. Write an exhaustive note on AIDS.

Paper Id:

150298

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B.PHARM
(SEM - II) THEORY EXAMINATION 2018-19
PATHOPHYSIOLOGY

Time: 3 Hours**Total Marks: 75****Note:** Attempt all Sections. If you require any missing data, choose suitably.

SECTION A

1. Attempt all questions in brief.**10 x 2 = 20**

- a. Write a short note on feedback systems.
- b. Define chemotaxis.
- c. Write a note on acute renal failure.
- d. Define Schizophrenia.
- e. Define Neoplasm.
- f. Discuss the role of Xanthine oxidase in development of gout.
- g. Give a short note on Grave's disease.
- h. Define Stroke and Hemorrhage.
- i. Discuss the underlying causes for development of Jaundice.
- j. Give causative agent and sign of Leprosy.

SECTION B

2. Attempt any two parts of the following:**2 x 10 = 20**

- a. Discuss in detail the pathophysiology of Asthma.
- b. Write descriptive notes on CHF and Angina.
- c. Elaborate the pathways of cellular apoptosis.

SECTION C

3. Attempt any five parts of the following:**7 x 5 = 35**

- a. Give the pathophysiology of Tuberculosis.
- b. Explain the pathophysiology of diabetes.
- c. Elaborate the pathways involved in the development of depression.
- d. Define Ulcers. Explain the process of ulcer development.
- e. Discuss Thalassemia and Sickle cell Anemia.
- f. Define cancer. Describe the pathophysiology of cancer.
- g. Explain the pathophysiology of AIDS.

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B. PHARM
(SEM-II) THEORY EXAMINATION 2019-20
PATHOPHYSIOLOGY

Time: 3 Hours**Total Marks: 75****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.**10 x 2 = 20**

- a. Define cellular adaptations.
- b. What are intracellular accumulations?
- c. Describe Myocardial infarction in brief.
- d. Give a short note on Hemophilia.
- e. Define Angiogenesis.
- f. Write a note on role of interleukins in inflammation process.
- g. Give a short note on hypothyroidism and possible reasons for its development.
- h. Tuberculosis.
- i. Short note on ulcerative colitis.
- j. Discuss the sign and symptoms of Leprosy.

SECTION B

2. Attempt any two parts of the following:**2 x 10 = 20**

- a. Write in detail the pathophysiology of Parkinson's disease. Explain intrinsic and extrinsic pathways.
- b. Discuss the pathophysiology of atherosclerosis and hypertension.
- c. Explain the process of apoptosis. Elaborate extrinsic and intrinsic pathways.

SECTION C

3. Attempt any five parts of the following:**7 x 5 = 35**

- a. Give the pathophysiology of Asthma.
- b. Define Anemia. Elaborate Iron Deficiency Anemia.
- c. Give the pathophysiology of Epilepsy. Explain its various types.
- d. Define Ulcers. Explain the process of ulcer development.
- e. Differentiate between rheumatoid and osteoarthritis. Explain the pathophysiology of osteoarthritis.
- f. Describe the pathways of development of cancer.
- g. Explain the pathophysiology of AIDS.

B PHARM
(SEM II) THEORY EXAMINATION 2022-23
PATHOPHYSIOLOGY

Total Marks: 75

Time: 3 Hours

Note: Attempt all Sections. If require any missing data, then choose suitably.

SECTION A

$$10 \times 2 = 20$$

1. Attempt *all* questions in brief.

- Define the term Homeostasis with example
- What are the causes of cell injury.
- What is congestive Heart failure. Differentiate between Forward and Backward Heart failure
- Illustrate risk factors of COPD.
- Differentiate between Type I and Type II Diabetes.
- Give the Etiology of Alzheimer disease.
- What is Rheumatoid Arthritis. Give its signs and symptoms.
- Define Gout and write its types.
- Illustrate Causative agent, sign and symptoms of Tuberculosis
- Explain the Etiology of Syphilis.

51. $\text{SiCl}_4 + \text{O}_2 \rightarrow \text{SiO}_2 + 2\text{Cl}_2$

- 2. Attempt any two parts of the following:**

$$2 \times 10 = 20$$

- (a) Discuss the components and type of Feedback system.
- (b) Elaborate Pathophysiology of Acute and Chronic Renal failure.
- (c) Explain the etiology, types and pathogenesis of Diabetes Mellitus.

SECTION C

- 3. Attempt any five parts of the following:**

$$7 \times 5 = 35$$

- (a) Discuss basic Mechanism involved in the process of inflammation.
- (b) Explain Pathophysiology of Hypertension.
- (c) Illustrate different types of epilepsy. Explain its pathogenesis.
- (d) Describe basic principle of wound healing in skin.
- (e) Explain the pathophysiology of AIDS.
- (f) Discuss causative agent, Mode of transmission and pathogenesis of Leprosy.
- (g) What is Peptic Ulcer. Discuss its pathogenesis.



PAPER ID-411585

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Subject Code: BP204T

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BPHARM
(SEM II) THEORY EXAMINATION 2021-22
PATHOPHYSIOLOGY

Time: 3 Hours**Total Marks: 75****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.**10 x 2 = 20**

a.	Differentiate between hypertrophy and hyperplasia with examples.
b.	Discuss in brief megaloblastic anemia.
c.	Define hepatitis and write its various types.
d.	Enlist the causes of cell injury.
e.	Define seizures and classify its types.
f.	Discuss the types of osteoporosis with emphasis on its cause.
g.	Outline the clinical signs of inflammation.
h.	Define myocardial infarction.
i.	Write the risk factors of atherosclerosis.
j.	Define hemophilia.

SECTION B

2. Attempt any two parts of the following:**2 x 10 = 20**

a.	Write in detail the pathogenesis of cell injury.
b.	Explain the pathophysiology of cancer.
c.	Classify hypertension. Illustrate its pathogenesis and complications.

SECTION C

3. Attempt any five parts of the following:**7 x 5 = 35**

a.	Discuss the pathophysiology of peptic ulcer.
b.	Illustrate types of diabetes and write their pathophysiology.
c.	Write a detailed note on AIDS.
d.	Explain the feedback systems involved in homeostasis.
e.	Write an exhaustive note on pathophysiology of asthma.
f.	Discuss the pathophysiology of Parkinson Disease.
g.	Classify types of tuberculosis. Explain its pathogenesis.

B PHARM
(SEM II) THEORY EXAMINATION 2022-23
PATHOPHYSIOLOGY

Time: 3 Hours**Total Marks: 75****Note:** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief. 10 x 2 = 20

- (a) What do you mean by atrophy&hyperplasia?
- (b) Write the causative agent of Urinary tract infections.
- (c) What is alpha & beta thalassemia?
- (d) Define hepatitis and give various types of hepatitis.
- (e) Give the causative agent of typhoid.
- (f) What do you mean by Hand foot syndrome?
- (g) Define diabetes and give the factors responsible for diabetes.
- (h) What do you mean by stroke?
- (i) Define cell injury & adaptation.
- (j) Define acidosis and alkalosis.

SECTION B

2. Attempt any twoparts of the following: 2 x 10 = 20

- (a) Define hypertension and explain the renin angiotensin aldosterone synthesis (RAAS) role in its pathogenesis.
- (b) Describe the pathophysiology of AIDS and its complications.
- (c) Define cancer and explain the pathophysiology of cancer in detail.

SECTION C

3. Attempt any fiveparts of the following: 7 x 5 = 35

- (a) Explain the pathophysiology and causes of cell injury.
- (b) Write a note on peptic ulcer.
- (c) What is Asthama? Describe its pathogenesis and consequences.
- (d) Write a detailed note on tuberculosis.
- (e) Discuss the pathophysiology of acute and chronic renal failure.
- (f) Write an exhaustive note on epilepsy.
- (g) Discuss the Pathophysiology of sickle cell anemia.



PAPER ID-411051

Subject Code: BP204T

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BPHARMA
(SEM II) THEORY EXAMINATION 2023-24
PATHOPHYSIOLOGY

TIME: 3 HRS

M.MARKS: 75

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.

10 x 2 = 20

a.	Interpret sign and symptoms of angina pectoris.
b.	Define cell injury.
c.	Differentiate between megaloblastic anemia and sickle cell anemia?
d.	Discuss the sign and symptoms of typhoid.
e.	What is the role of interleukins in inflammation process.
f.	Give a short note on hypothyroidism and possible reasons for its development.
g.	Mention the causes of rheumatoid arthritis.
h.	Give the causative agent of leprosy.
i.	Write a note on chronic renal failure.
j.	Write the risk factors of gout.

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

a.	Write an exhaustive note on pathogenesis of diabetes
b.	Discuss in detail pathophysiology of Asthma.
c.	Define cancer. Explain the pathophysiology of cancer.

SECTION C

3. Attempt any five parts of the following:

7 x 5 = 35

a.	Discuss pathogenesis and complications of hypertension.
b.	Define Anemia. Elaborate Iron Deficiency Anemia.
c.	Discuss chemical mediators involved in the process of inflammation.
d.	Explain the pathophysiology of tuberculosis.
e.	What is cellular adaption? Discuss atrophy and hypertrophy with examples.
f.	Explain the pathophysiology of AIDS.
g.	Define hepatitis. What are its various types? Explain them in detail.



PAPER ID-311422

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Subject Code: BP204T

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BPHARM
(SEM II) THEORY EXAMINATION 2024-25
PATHOPHYSIOLOGY

TIME: 3 HRS**M.MARKS: 75**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.

10 x 2 = 20

a.	Quote various types of necrosis.
b.	Summarize the terms “hypoxia and Ischemia”.
c.	Recall various types of Angina pectoris.
d.	Enumerate the causes of Bronchitis.
e.	Differentiate between the terms “Graves’ Disease and Addison’s Disease”.
f.	Recite the various types of Diabetes.
g.	Illustrate various types of IBD.
h.	Classify various types of Hepatitis.
i.	Recite the causative organisms of Typhoid.
j.	Recall various types of Leprosy.

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

a.	Differentiate intrinsic and extrinsic pathways of Apoptosis.
b.	Summarize the pathogenesis and symptoms of Epilepsy and Depression.
c.	Explain various types of Tumors and its pathogenesis.

SECTION C

3. Attempt any five parts of the following:

5 x 7 = 35

a.	Describe the mechanism of reversible and irreversible cell injury.
b.	Classify various types of plasma derived mediators in acute inflammation.
c.	Explain various factors involved in the pathogenesis of Hypertension.
d.	Differentiate the pathogenesis of Asthma.
e.	Compare the causes, symptoms and clinical manifestations of Peptic Ulcer diseases.
f.	Explain various factors involved in the pathogenesis of Osteoarthritis.
g.	Appraise the causative organism, pathogenesis and symptoms of Syphilis and Gonorrhoea.



Roll No:

B. PHARM**(SEM. II) THEORY EXAMINATION 2025-26****PATHOPHYSIOLOGY****TIME: 3 HRS****M.MARKS: 75**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A**1. Attempt *all* questions in brief.****10 x 2 = 20**

a.	Define homeostasis and mention its components.
b.	Differentiate between necrosis and apoptosis.
c.	What is congestive cardiac failure (CCF)?
d.	Write any two trigger factors of asthma.
e.	Which organism causes leprosy?
f.	Define anemia and name any two types.
g.	Define hepatitis and mention its common types.
h.	Define gout.
i.	Mention the causative agent of typhoid fever.
j.	What is AIDS? Mention its causative agent.

SECTION B**2. Attempt any *two* parts of the following:****2 x 10 = 20**

a.	Define inflammation. Explain the vascular and cellular events of acute inflammation.
b.	Define hypertension. Explain the role of the renin-angiotensin-aldosterone system (RAAS) in its pathogenesis.
c.	Define diabetes mellitus. Explain its pathophysiology and acute and chronic complications.

SECTION C

3. Attempt any *five* parts of the following:

5 x 7 = 35

a.	Discuss the basic principles of wound healing in skin and factors affecting tissue repair.
b.	Explain the pathophysiology and complications of atherosclerosis.
c.	Discuss the pathophysiology of iron deficiency anemia and megaloblastic anemia.
d.	Write a note on inflammatory bowel disease and jaundice.
e.	Explain the classification, etiology and pathogenesis of cancer.
f.	Discuss tuberculosis with its causative agent, pathogenesis, signs and symptoms.
g.	Explain meningitis and urinary tract infections with causative agents and modes of transmission.