Printed Pages: 02 **Sub Code:BP201T**

Paper Id: 150295 **Roll No.** | | | | | | | | | | |

B.PHARM
(SEM-II) THEORY EXAMINATION 2018-19
HUMAN ANATOMY AND PHYSIOLOGY-II

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. What do you mean by residual volume and inspiratory reserve volume?

b. Define autocrine and paracrine gland.

c. Explain the role of CCK and secretin in intestinal phase of digestion.

d. Discuss any two functions of cerebellum.

e. Define net filtration pressure.

f. Write in brief about brush border enzyme.

g. Thyroxin hormone is released by _____ cells of _____ gland.

h. Mention any two functions of hypothalamus.

i. What do you mean by gametogenesis?

j. The two hemisphere of cerebrum are connected with a mass of white fibers known as _____.

SECTION B

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

a. Explain mechanism of respiration with special emphasis on transport of oxygen from lungs to other parts of body.

b. What are the different parts of human brain? Discuss anatomy and physiology of cerebrum.

c. Outline various parts of digestive system. Discuss the anatomy and physiology of small intestine.

SECTION C

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

a. Discuss the mechanism of Neurohumoral transmission in CNS.

b. Discuss synthesis, secretion and regulation of acid secretion in stomach.

c. Write a note on female reproductive cycle (menstrual cycle) & its regulation.

d. Explain synthesis, storage, secretion and regulation of thyroid hormone.

e. Discuss in detail about structure of liver and role of bile juice in digestion.

f. Discuss in detail about Renin Angiotensin Aldosterone System.

g. Define reflex action. Describe various components of reflex arc.

DR VIJAY KUMAR GUPTA | 15-May-2019 09:01:33 | 45.115.62.2

DR VIJAY KUMAR GUPTA | 15-May-2019 09:01:33 | 45.115.62.2

Sub Code:BP201T

Paper Id: 910022 Roll No:

B PHARM
(SEM-II) THEORY EXAMINATION 2019-20
HUMAN ANATOMY AND PATHOPHYSIOLOGY-II

Time: 3 Hours ***Total Marks: 75***

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.
2. Any special paper specific instruction.

SECTION A

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

a. What is an action potential

b. What are the name of lobes of cerebral hemisphere

c. What is the role of the mouth in digestive system

d. Differentiate between vital capacity and total lung capacity.

e. Define Glomerular Filtration Rate (GFR).

f. Give the name of disorders of the male reproductive system.

g. Define asthma and Pneumonia.

h. Enlist the function of hormones.

i. Briefly explain cushing syndrome.

j. Where does the fertilization take place in the female?

SECTION B

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

a. I. Describe cerebrospinal fluid and its circulation
II. Describe the structure and functions of medulla oblongata.

b. Define ovulation. Explain different phases of the female reproductive cycle

c. Describe the mechanism of ATP Formation.

SECTION C

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

a. Explain the events of signal transmission at a chemical synapse.

b. Describe the surface anatomy of lungs along with suitable diagrams.

c. Describe the hormones of Pancreas and their physiological role.

d. Describe different parts and types of Nephron.

e. What is BMR and how it is determined? Describe various factors affecting BMR.

f. Write a short note on gland of Emergency.

g. Define Genetics. Write a short note on chromosomes.

www.aktuonline.com

PAPER ID-411813

Subject Code: BP201T

Roll No: | | | | | | | | | | | | | |

BPHARM

(SEM II) THEORY EXAMINATION 2021-22

HUMAN ANATOMY AND PHYSIOLOGY II

Time: 3 Hours ***Total Marks: 75***

Notes:

- *Attempt all Sections and Assume any missing data.*
- *Appropriate marks are allotted to each question, answer accordingly.*

SECTION-A

Q1.	Attempt **All** of the following Questions in brief	Marks**(10X2=20)**
a	Define the term Cerebrum.	
b	Define Glomerular Filtration Rate (GFR).	
c	Enlist the function of hormones.	
d	What do you mean by gametogenesis?	
e	What is the role of the Hydrochloric acid in digestive system?	
f	Give functions of cerebellum.	
g	Draw a well labeled diagram of neuron.	
h	Define tidal volume.	
i	Draw a well labeled diagram of Kidney.	
j	Enlist function of Saliva.	

SECTION-B

Q2.	Attempt **ANY Two** of the following Questions	Marks**(2X10=20)**
a	Explain in detail about autonomic nervous system?	
b	Write various parts of digestive system. Discuss the physiology of digestion in detail.	
c	Discuss in detail about endocrine system. Classify Hormones and explain the mechanism of action of Hormones .	

SECTION-C

Q3.	Attempt **ANY five** following Question	Marks **(5X7=35)**
a	Describe the mechanism of ATP Formation.	
b	Discuss in detail about structure of liver and role of bile juice in digestion.	
c	Describe different parts and types of Nephron.	
d	Discuss the mechanism of Neurohumoral transmission in CNS.	
e	Explain the physiology of menstruation cycle.	
f	Define the term BMR and how it is determined? Describe various factors affecting BMR.	
g	Explain the anatomy of Respiration and discuss it mechanism in detail	

QP22P2_290 | 31-Mar-2022 13:27:20 | 117.55.242.131

https://www.aktuonline.com

Printed Pages:01
Paper Id: 233506

Sub Code: BP-201T

Roll No.

B. PHARM
(SEM II) THEORY EXAMINATION 2022-23
HUMAN ANATOMY AND PHYSIOLOGY-II

Time: 3 Hours *Total Marks: 75*

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

SECTION A **10 x 2 = 20**

1. Attempt *all* questions in brief.

(a) What do you mean by synapse?

(b) Sequentially enlist different layers of meninges.

(c) Discuss about brush border enzyme.

(d) Outline the process of digestion.

(e) Define vital capacity.

(f) Determine net filtration pressure.

(g) Recall any two functions of thyroid gland.

(h) Differentiate between exocrine and endocrine glands.

(i) Define spermatogenesis and oogenesis.

(j) Explain importance of pineal gland.

SECTION B

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

(a) Explain anatomy of spinal cord with the help of a diagram.

(b) Outline the physical characteristics and composition of normal urine. Discuss the physiology of urine formation.

(c) Explain anatomy and physiology of female reproductive system.

SECTION C

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

(a) Categorize different parts of the brain. Explain structure of cerebrum and its functional organization.

(b) Summarize various parts of digestive system and discuss anatomy and physiology of small intestine with structure of microvilli.

(c) Explain various steps of neurohumoral transmission.

(d) Explore mechanism of respiration with special emphasis on external and internal respiration.

(e) Discuss structure of pituitary gland and explain functions of various hormones secreted from pituitary gland.

(f) Elaborate digestion of carbohydrate, protein and lipid in human body.

(g) Outline the various phases of pregnancy with detailed explanation on fertilization.

https://www.aktuonline.com

PAPER ID-311933

Subject Code: BP201T

Roll No: | | | | | | | | | | | | | |

BPHARM

(SEM II) THEORY EXAMINATION 2023-24

HUMAN ANATOMY AND PHYSIOLOGY II

TIME: 3HRS **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 the term synapse.
b.	What is Dura mater?
c.	Write the function of brush border.
d.	Name all the salivary glands.
e.	Write the dental formula of temporary teeth.
f.	Define the term vital capacity.
g.	What do you mean by GFR?
h.	Define Autocrine and Paracrine.
i.	What is menopause and menarche?
j.	Draw the structure of sperm.

SECTION B

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

a.	Explain about the synthesis, storage, and release of thyroid hormone.
b.	Draw a well labeled diagram of male reproductive system and explain spermatogenesis.
c.	What is gastric juice? Describe the various phases of gastric secretion.

SECTION C

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

a.	Explain physiology of urine formation.
b.	Write a note on Adrenal gland.
c.	Discuss about pituitary gland with the help of diagram.
d.	What is Breathing? Explain mechanism of respiration in details.
e.	Define reflex action and explain the different components of reflex arc.
f.	Write the part of Brain and explain cerebrum and its functions in details.
g.	Explain the anatomy and physiology of liver.

QP24DP2_290 | 30-03-2024 08:58:10 | 117.55.242.132

QP24DP2_290 | 30-03-2024 08:58:10 | 117.55.242.132

PAPER ID-311961

Roll No: | | | | | | | | | | | | | |

BPHARM
(SEM II) THEORY EXAMINATION 2024-25
HUMAN ANATOMY AND PHYSIOLOGY II

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.	What is the primary function of electrophysiology in the human body?
b.	What is the main difference between afferent and efferent nerve tracts in terms of the direction of signal transmission?
c.	What is the role of Creatinine Phosphate in the body?
d.	What is the purpose of artificial respiration?
e.	How does the Renin-Angiotensin System (RAS) affect kidney function?
f.	What is a second messenger, and what role does it play in hormone signaling?
g.	How does myasthenia gravis relate to the thymus?
h.	How does the parasympathetic nervous system influence acid production in the stomach?
i.	What is the difference between lung volume and lung capacity?
j.	What is the main function of the pituitary gland?

SECTION B

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

a.	What is the significance of the stomach's mucosal lining and its protective mechanisms?
b.	Explain how the different lobes of the cerebral cortex contribute to various cognitive and sensory processes.
c.	Describe the structural organization of the lungs, including the branching pattern of the airways and the functional units where gas exchange occurs.

SECTION C

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

a.	What role does myelination play in the conduction speed of nerve fibers?
b.	How does the arachnoid mater contribute to the protection of the central nervous system?
c.	How does the structure of the lungs, including alveoli, maximize gas exchange?
d.	What is the primary role of ATP in cellular processes, and how does its unique structure contribute to this function?
e.	Describe the gross anatomy of the urinary tract, listing the major organs and their functions.
f.	How does the thyroid gland contribute to the body's overall metabolism and energy regulation?
g.	Explain the role of messenger RNA (mRNA) in protein synthesis. How is the information encoded in mRNA used to determine the amino acid sequence of a protein?

QP25DP2_145 | 08-Mar-2025 9:16:26 AM | 115.244.153.242

QP25DP2_145 | 08-Mar-2025 9:16:26 AM | 115.244.153.242

BPharma Bot02

⚠️ DISCLAIMER

This bot is created for educational purposes only.

BPharmaBot02 is not affiliated with or endorsed by AKTU or any university. All question papers shared here are collected from publicly available resources or contributed by students.

If any content violates copyright or privacy, please contact the bot admin for removal.

Use responsibly. 📚🤖

THANK YOU