

I/IV B. PHARMACY (Supple) EXAMINATIONS, DECEMBER - 2022**First Semester****HUMAN ANATOMY AND PHYSIOLOGY - I**Time : **Three Hours**Maximum : **75 Marks****SECTION - A****Answer any FIVE Questions.****5x10 = 50 M**

1. a) Explain the process of cell division in detail.
b) Write a note on paracrine intracellular form of cell signaling.
2. Elaborate the general principles of cell communication.
3. a) Describe the general principles of cell communication.
b) Discuss different types of joint movements.
4. a) Depict the organization of nervous system.
b) Define Neuron and Neuroglia. Explain different parts of a neuron with a neat labelled diagram.
5. a) Explain the structure of Eye with a neat labelled diagram.
b) Discuss the underlying physiology of accommodation of human eye.
6. Explain the synthesis, storage, secretion and regulation of thyroid hormones.
7. Write an essay on Cranial nerves.

SECTION - B**Answer any FIVE Questions.****5x5 = 25 M**

8. Write about the structure, location and functions of Nervous tissues with examples.
9. Classify bones and enumerate the functions of Appendicular bones.
10. Explain different types of neuronal receptors and their role in signal transduction with examples.
11. Describe the anatomy and physiology of different parts of spinal cord.
12. Discuss the hormones of pineal gland and their physiological role.
13. Explain the physiology of taste. Add a note on tongue disorders.
14. Write the anatomical and physiological differences between sympathetic and parasympathetic nervous system.



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BP 101 T

Total No. of Questions : 14]

[Total No. of Pages : 01

I/IV B. PHARMACY DEGREE EXAMINATIONS, JULY - 2022

First Semester

HUMAN ANATOMY AND PHYSIOLOGY - I

Time : Three Hours

Maximum : 75 Marks

SECTION - A

Answer any FIVE Questions.

5x10 = 50 M

1. Discuss in detail about Negative and Positive feed back mechanisms of body.
2. Describe the various phases of cell division.
3. Discuss the structure & functions of Epithelial tissue with their classification.
4. Describe the structure & functions of Skin.
5. Explain the composition and functions of blood.
6. Explain functions of WBC and discuss in detail about Hemoglobin formation.
7. Explain the Anatomy & physiology of eye with diagram. Add a note on its disorders.

SECTION - B

Answer any FIVE Questions.

5x5 = 25 M

8. Write short note on cell junctions.
9. Write notes on five types of bones with examples.
10. Describe the origin and functions of Spinal Nerves.
11. Write short notes on any 5 disorders of tongue.
12. Discuss the flow of blood through heart.
13. Explain the different steps involved in Neuro humoral transmission.
14. Describe the forms of intracellular signalling with diagram.



Total No. of Questions :14]

BP 101 T

[Total No. of Pages : 02

I/IV B.PHARMACY (Regular) DEGREE EXAMINATIONS, FEBRUARY-2020

First Semester

B.PHARMACY

HUMAN ANATOMY AND PHYSIOLOGY-I

Time: Three Hours

Maximum marks:75

SECTION-A

Answer any FIVE Questions

5X10=50M

1. Enumerate the general principles and forms of cell communication. Add a note on basic life processes.
2. Explain in detail about mechanism at neuromuscular junction using any neurotransmitter as example.
3. Write the complete organisation of skeletal muscle using a neat labelled diagram.
4. Explain the anatomy and physiology of ear with a labelled sketch.
5. List out the different parts of Lymphatic system and explain lymphatic circulation with diagram.
6. Classify peripheral nervous system and write the structure, Origin, functions of parasympathetic nervous system.
7. a) Explain the conduction system of heart
b) Explain hemopoiesis with a flow chart.

SECTION-B

Answer any FIVE Questions

5X5=25M

8. Derive cardiac output and explain heart rate and stroke volume importance towards deriving cardiac output.
9. Write in brief about factors regulating pulse rate.
10. Write the origin and functions of spinal nerves with their specific number.
11. Classify joints based on structure and functions with appropriate examples.

P.T.O

12. Write the structure, location and functions of Epithelial tissues with diagram.
13. Write the classification of cell junctions with proper examples.
14. Classify bones based on shape and location with diagrams.



Total No. of Questions :14]

BP 101 T
[Total No. of Pages : 02
I/IV B.PHARMACY (Supply) DEGREE EXAMINATIONS, AUGUST-2019

First Semester

B.Pharmacy

HUMAN ANATOMY AND PHYSIOLOGY-I

Time: Three Hours

Maximum marks:75

SECTION-A

Answer any FIVE Questions.

5X10=50M

1. Write the classification of tissues and explain in detail about nervous and connective tissue.
2. Explain in detail about different regulation systems of blood pressure. Add a note on myocardial infarction.
3. Explain steps involved in formation of hemoglobin with a detailed flowchart.
4. Classify skeletal system with their specific number. Write the physiology of muscle contraction with a neat labelled diagram.
5. Explain different levels of structural organisations and body system with proper examples.
6. Enumerate the structure of skin with neat labelled diagram.
7. Write the origin, location and functions of cranial nerves.

SECTION-B

Answer any FIVE Questions.

5X5=25M

8. Write about the regulation of heart by autonomic nervous system.
9. Explain the structure of eye with a neat diagram.
10. Write in detail about the Reticulo endothelial system.
11. Write a short note on various functions of skin.
12. Explain the mechanism of olfaction.

P.T.O

13. Write a short note on homeostasis with example of temperature regulation.
14. Sketch a neat labelled diagram of heart and add a note on electrocardiogram.



Total No. of Questions :14]

B.P 101 T

[Total No. of Pages : 01

I/IV B.PHARMACY (Supply) DEGREE EXAMINATIONS, SEP-2018

First Semester

B.PHARMACY

HUMAN ANATOMY AND PHYSIOLOGY-I

(w.e.f 2017-18 batch)

Time: Three Hours

Maximum marks:75

SECTION-A

Answer any FIVE Questions

5X10=50M

1. Draw a neat labelled diagram of the internal structure of the heart. Add a note on heart sounds?
2. Describe the stages of blood clotting. Explain the various factors that promote and inhibit clotting?
3. Define the term blood pressure. Discuss how blood pressure is regulated?
4. Explain the structure and functions of sympathetic nervous system?
5. Explain about the mechanism of muscle contraction?
6. Explain the classification, cell types and functions of epithelial tissue?
7. What is erythropoiesis? Discuss about the factors affecting erythropoiesis?

SECTION-B

Answer any FIVE Questions

5X5=25M

8. Write a note on transport across cell membrane?
9. Explain the structure and functions of nervous tissue?
10. Classify joints with examples?
11. Explain the disorders of WBC?
12. How are blood groups classified?
13. Write notes on ECG?
14. Explain the auditory and non auditory functions of ear?



Total No. of Questions :14]

BP 101 T

[Total No. of Pages : 02

I/IV B.PHARMACY (Supply) DEGREE EXAMINATIONS, AUGUST-2019

First Semester

B.Pharmacy

HUMAN ANATOMY AND PHYSIOLOGY-I

Time: Three Hours

Maximum marks:75

SECTION-A

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6. Enumerate the structure of skin with neat labelled diagram.
7. Write the origin, location and functions of cranial nerves.

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11. Write a short note on various functions of skin.
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P.T.O

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