



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A DEEMED TO BE UNIVERSITY)**

Bachelor of Physiotherapy

First Year Semester-I April 2026 Examination

TIME – 2.30 HRS

MAX MARKS: 80

ANATOMY

QP CODE: B1260

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I. Long Essay

2X10=20 Marks

1. Explain the Gluteus Maximus muscle under following headings: Attachments, nerve supply, action, Structures under cover of Gluteus maximus (2+1+2+5)
2. Describe the brachial plexus branches, cords, divisions, trunk and roots. (2+2+2+2+2)

II. Short Essay

6X5=30 Marks

3. Explain the functional areas of brain
4. Describe the attachments, nerve supply and action of hypothenar muscles
5. Define the conducting system of the heart
6. Diaphragm – origin, insertion, nerve supply and action
7. Explain the Triangles of neck
8. Describe the course of the ulnar nerve and its clinical relevance

III. Short Answers

10X3=30 Marks

9. List the metatarsals in order
10. List the cranial nerves
11. List the muscles of Pelvic floor
12. List the ventricles of brain
13. Define ossification
14. Define neuromuscular junction
15. List any 3 differences between right and left lung
16. Iliotibial tract
17. Define intervertebral disc
18. Name the Menisci of knee joint with their functions

* * * *



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A DEEMED TO BE UNIVERSITY)**

Bachelor of Physiotherapy

First Year Semester-I April 2026 Examination

TIME – 2.30 HRS

MAX MARKS: 80

Physiology

QP CODE: B1270

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I. LONG ESSAY

2 X 10 = 20 Marks

1. Draw the neat labelled diagram of the synapse. Describe the steps of synaptic transmission and list the properties of synapse (2+4+4)
2. Explain the Neural and chemical regulation of respiration (5+5)

II. SHORT ESSAY

6 X 5 = 30 Marks

3. Describe the respiratory changes seen during exercise.
4. Define cardiac output and list the factors regulating cardiac output
5. Define hypoxia. Classify the hypoxia with an example.
6. Define GFR with a normal value. List three factors effecting GFR.
7. Explain the functions of Cerebral Cortex
8. Name the salivary glands and list the functions of saliva.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. Give three clinical features of diabetes mellitus
10. Define and classify the neurons based on poles
11. Draw a neat labeled diagram of lead II ECG and mention the significance of each wave.
12. List the functions of middle ear
13. Give the differences between upper and lower motor neuron lesion
14. List the different types of taste sensation with the help of the diagram
15. List the muscles involved in respiration
16. List the factors affecting spermatogenesis
17. List the functions of testosterone
18. State the Frank Starling law

* * * *