

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A DEEMED TO BE UNIVERSITY)



B.Sc. Allied Health Sciences First Year Semester I
April 2026 Examination

Time- 2.30 Hrs.

[Max Marks: 80]

SUBJECT: ANATOMY-I

QP Code: K1011

Your answer should be specific to the question asked
Draw neat labelled diagrams wherever necessary

I. Long Essay

2X10=20 Marks

1. Describe the External features and Blood supply of Heart and its applied aspects. (4+4+2)
2. Define Joint. Classify the Joints with examples. Describe in detail about Synovial Joint. (2+3+5)

II. Short Essays

6X5=30 Marks

- 3 Illustrate the microscopic structure of L.S of Skeletal Muscle
- 4 Describe the cartilages with examples
- 5 Describe the Spermatogenesis
- 6 Classify bones with examples
- 7 Illustrate the microscopic structure of Lymph node
- 8 Axillary artery - Origin, Course, branches and clinical importance

III. Short Notes

10X3=30 Marks

9. Mention the bones of upper limb
10. Define Ovulation
11. Name the types of muscles
12. Name the bone cells
13. Mention the parts of Central Nervous system
14. Mention parts of brainstem
15. Explain Intervertebral Disc
16. Illustrate the microscopic structure of elastic artery
17. Define anatomical position.
18. Mention the tributaries of Great Saphenous Vein

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[Max Marks: 80]

SUBJECT: ANATOMY-II
QP Code: K1012

Your answer should be specific to the question asked
Draw neat labelled diagrams wherever necessary

I. Long Essay

2X10=20 Marks

1. Describe stomach - under the following headings –
a) External features b) Relations c) Blood supply d) Applied aspects (2+4+3+1)
2. Describe Thyroid gland under the following headings with suitable diagrams -
a) Gross features b) Coverings c) Histology d) Clinical significance (4+1+4+1)]

II. Short Essays

6X5=30 Marks

3. Describe the vermiform appendix with clinical significance.
4. Describe the differences between small intestine and large intestine.
5. Describe pleura with clinical importance.
6. Illustrate the microscopic structure of Ovary.
7. Mention the differences between right and left lung.
8. Describe the parts of excretory system.

III. Short Notes

10X3=30 Marks

9. Name the parts of Gall bladder.
10. Name the coverings of Kidney.
11. Mention the contents of middle ear.
12. Name the parts of brain stem.
13. Describe recto uterine pouch with clinical relevance.
14. Illustrate the microscopic structure of thick skin
15. Name the parts of pharynx
16. Name the para nasal air sinuses.
17. Illustrate microscopic structure of pancreas.
18. Name the parts of female reproductive system.

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B.Sc. Allied Health Sciences First Year Semester-I
April 2026 Examination

Time: 2.30 Hrs.

[Max. Marks: 80]

SUBJECT: PHYSIOLOGY-I

Q.P Code: K1021

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

I. LONG ESSAY

2 X 10 = 20 Marks

1. Define cardiac output how is it determined give the normal value. List the factors regulating it.
2. List the different ways in which oxygen and carbon dioxide is transported in blood and explain.

II. SHORT ESSAY

6 X 5 = 30 Marks

3. Explain the pulmonary and the systemic circulation.
4. Name the salivary gland with type of secretion and the ducts in a tabular column.
5. Draw a neat diagram of the Nephron and give the function of each component.
6. Define Anemia and classify with examples.
7. Define Deglutition and explain the different phases.
8. What is the normal respiratory rate? Name the inspiratory expiratory and the Accessory muscles of respiration.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. Give three differences between 1st and 2nd heart sound.
10. Define Hemophilia and give the cause and treatment.
11. List the function of HCl and name the cell which secretes it.
12. List the bile salts and bile pigments.
13. Name the different layers of GIT.
14. Define cyanosis and give its types.
15. List the three steps involved in urine formation.
16. Define Apnea Asphyxia Dyspnea.
17. List the functions of kidney.
18. Name three causes for the blood transfusion.

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B.Sc. Allied Health Sciences First Year Semester-I

April 2026 Examination

Time: 2.30 Hrs.

[Max. Marks: 80]

SUBJECT: PHYSIOLOGY-II

Q.P Code: K1022

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

I. LONG ESSAY

2 X 10 = 20 Marks

1. Describe the functions of growth hormone and add a note on Gigantism and Acromegaly (6 +2+2)
2. Define menstrual cycle explain the various changes occurring in the uterus, and ovaries in a 50 day cycle add note on the hormone and LH surge. (2+4+4)

II. SHORT ESSAY

6 X 5 = 30 Marks

3. Name the sensory pathways and the sensations carried by them.
4. Define Action potential with the help of the diagram explain the ionic basis.
5. List the features of secondary sexual characters in females.
6. What is the normal calcium ion concentration in blood name the hormones which regulate it.
7. Name the glial cells and give its functions.
8. Name the primary colors of vision and name the tests for it add note on the anomalies.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. List the functions of Vasopressin.
10. List the contents of middle ear.
11. List the functions of Estrogen.
12. Name the muscle proteins.
13. Define Synapse Receptor and reflex.
14. List the function of ADH.
15. Define saltatory conduction and explain.
16. List the features of cerebellar dysfunction.
17. List three family planning methods in male.
18. List the hormones secreted by endocrine pancreas.

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