

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A DEEMED TO BE UNIVERSITY)



**B.Sc. Allied Health Sciences First Year Semester I
March/April 2025 Examination**

Time- 2.30 Hrs

[Max Marks: 80]

**ANATOMY-I
QP Code: K1011**

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

Long Essay:

2x10=20M

1. Define Joint. Classify the Joints with examples. Describe the Synovial joint in detail.
(1+3+6)
2. Describe the External Features and Blood supply of Heart and its applied aspects.
(8+2)

Short Essays: -

6X5=30M

3. Describe the Cartilaginous joints with examples
4. Describe the Axillary artery - Origin, Course, branches, and clinical importance
5. Illustrate the microscopic structure of T.S of Compact bone
6. Define Epithelium. Classify the Stratified epithelia with examples. (2+8)
7. Describe the layers of Pericardium and its importance
8. Describe the Cell membrane with Fluid mosaic model

Short notes: -

10X3=30M

9. Illustrate the microscopic structure of Hyaline cartilage
10. Name the branches of Arch of Aorta
11. Mention the connective tissue cells and fibers
12. Mention the pneumatic bones and their function
13. Define pericardium Name the Carpal bones
14. Classify the Fibrous Joints with examples
15. Name the para nasal air sinuses
16. Mention the Tributaries of Coronary sinus
17. Sesamoid bone – Features and Functions
18. Illustrate the microscopic structure of Elastic artery

* * * *

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences First Year Semester I

April 2025 Examination



Time- 2Hrs 30 minutes

[Max Marks: 80]

ANATOMY-II

QP Code: K1012

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

Long Essay: -

2x10=20 M

1. Describe Stomach under the following headings with suitable diagrams - a) External features b) Parts c) Relations d) Clinical significance (2+3+4+1)
2. Describe urinary bladder under the following headings a) External features b) Trigone c) Relations d) Nerve supply. (3+3+2+2)

Short Essays: -

3. Illustrate the anterior relations of right and left kidneys
4. Classify the supports of uterus
5. Describe the boundaries and contents of Middle ear.
6. Describe the Muscles and nerve supply of Tongue
7. Illustrate the microscopic structure of Pancreas
8. Describe the external and internal features of kidney

6X5=30M

Short notes: -

10X3=30M

9. Name the cartilages of larynx
10. Name the parts of pharynx
11. Illustrate the parts of growing long bone
12. Summarize recto uterine pouch
13. Name the ligaments of Liver
14. Define Dural venous sinuses
15. Name the coverings of Testis
16. Name the ligaments of spleen
17. Name the contents of middle ear
18. Name the layers of eye ball

* * * *



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

April 2025 Examination

Time: 2Hrs 30 minutes

[Max. Marks: 80]

PHYSIOLOGY-I

Q.P Code: K1021

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

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. Define Erythropoiesis. List and explain the changes occurring in a tabular column and mention the final changes taking place in the matured RBC. Explain regulation on flow chart list the factors influencing the same. (1+5+2+2)

SHORT ESSAY

6 X 5 = 30 Marks

3. Define Anaemia and classify with examples
4. Define Deglutition and explain the different phases
5. What is the normal respiratory rate? Name the inspiratory, expiratory and the Accessory muscles of respiration
6. Explain the pulmonary and the systemic circulation.
7. Name the salivary gland with type of secretion and the ducts in a tabular column
8. Draw a neat diagram of the cystometrogram and explain the phases add note on micturition reflex.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Give three differences between 1st and 2nd heart sound
10. Name the conducting system of heart
11. List the function of Hcl and name the cell which secretes it
12. Define enterohepatic circulation
13. What is the normal A:G ration what is the clinical importance
14. List the functions of surfactant
15. List the three steps involved in urine formation
16. Define Apnea Asphyxia Dyspnea
17. List the functions of kidney.
18. List three function of hemoglobin

* * * *



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

April 2025 Examination

Time: 2 Hrs. 30 minutes

[Max. Marks: 80]

PHYSIOLOGY-II

Q.P Code: K1022

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Describe neuro-muscular junction with neat labelled diagram. List the features of myasthenia gravis (7+3)
2. Define menstrual cycle explain the various changes occurring in the uterus, and ovaries add a note on the hormones (3+3+2)

SHORT ESSAY

6 X 5 = 30 Marks

3. List the components of the middle ear and explain their function
4. List the functions of Hypothalamus
5. List the sensations carried by the dorsal column tract
6. List the features and cause for diabetes mellitus
7. Give the normal calcium ion concentration and name the target tissue and the hormones that maintain it
8. Define Rigor mortis and its features

SHORT ANSWERS

10 X 3 = 30 Marks

9. List the differences between positive and negative feedback mechanism
10. List the features of diabetes insipidus
11. Name the hormones secreted by the pancreas
12. Draw a neat labelled diagram of the reflex arc
13. List three functions of cerebellum
14. List the functions of the intraocular fluid
15. Define a motor unit
16. List the features of dwarfism
17. Name the different types of taste sensations
18. Define menarche and menopause

* * * *