



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

B.Sc. Allied Health Sciences First Year (Semester-I)
March 2023 Examination

Time: 2 Hrs.

[Max. Marks: 50]

SUBJECT: ANATOMY-I

Q.P Code: J1011

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Classify the glands and write in detail the microstructure of serous salivary gland
2. Describe the external features of heart and write a note on blood supply of heart
3. Classify cartilage and explain each with suitable examples

SHORT ESSAY

3 X 5 = 15 Marks

4. Describe the fibres and cells of connective tissue
5. Classify joints with suitable examples
6. Compute the steps of fertilization.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Name the bones of upper limb
8. List the types of simple epithelium
9. Draw a labelled diagram of microscopic structure of skeletal muscle
10. Name the branches of arch of aorta
11. List the functions of placenta



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Time : 2 Hrs.

[Max. Marks : 50]

SUBJECT : ANATOMY-II

Q.P Code : J1012

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. List the parts of GIT. Explain in detail about stomach
2. Explain spinal cord under following headings a. external features b. tracts c. blood supply
3. List the parts of excretory system. Explain in detail about kidney

SHORT ESSAY

3 X 5 = 15 Marks

4. Name the extra ocular muscles with nerve supply
5. Differences between small & large intestine
6. Microscopic anatomy of pituitary

SHORT ANSWERS

5 X 3 = 15 Marks

7. Illustrate typical spinal nerve
8. Trigone of urinary bladder
9. Name any 3 descending tracts of spinal cord
10. Name the types of parietal pleura
11. Name the layers of suprarenal gland



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**B.Sc. Allied Health Sciences First Year (Semester-I)
March 2023 Examination**

Time: 2 Hrs.

[Max. Marks: 50]

SUBJECT: PHYSIOLOGY-I

Q.P Code: J1021

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Describe the steps involved in haemostasis. Write the mechanism of intrinsic and extrinsic pathway of clotting (4+6)
2. Define cardiac cycle and list the phases of cardiac cycle. Describe various events of cardiac cycle.
3. Name the muscles involved in respiration. Explain the mechanism of respiration..(4+6)

SHORT ESSAY

3 X 5 = 15 Marks

4. List the differences between the cortical and juxta glomerular nephron
5. Define lung volumes and capacities and give the normal value.
6. Define circulatory shock. Classify the shock with an example

SHORT ANSWERS

5 X 3 = 15 Marks

7. Define dead space and give the normal value.
8. List the properties of cardiac muscle
9. List the non-excretory function of the kidney
10. Mention the three basic process of the urine formation
11. State the Landsteiner's law

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**B.Sc. Allied Health Sciences First Year Semester I
March 2023 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*

Long Essay: -

2x10=20 Marks

1. Define Cartilage. Classify the Cartilages with examples. (1+9)
2. Describe the Blood supply of Heart and its applied aspects. (8+2)

Short Essays: -

6X5=30 Marks

3. Define Connective tissue. Classify connective tissue with examples.
4. Define Neuron. Classify the neurons with examples.
5. Illustrate the microscopic structure of Lymph node
6. Describe the Oogenesis
7. Brachial artery - Origin, Course, branches and clinical importance
8. Describe the Fibrous joints with examples

Short notes: -

10X3=30Marks

9. Illustrate the microscopic structure of Skeletal muscle
10. Name the parts of long bone
11. Name the branches of Arch of Aorta
12. Pneumatic bone - features and functions
13. Illustrate the structure of Mitochondria
14. Mention the layers of blood vessel
15. Mention the layers of Pericardium
16. Mention any four Dural venous sinuses
17. Mention the Neuroglial cells
18. Define Fertilization

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**B.Sc. Allied Health Sciences First Year Semester I
March 2023 Examination**

Time- 2.30 Hrs

[Max Marks: 80]

SUBJECT: ANATOMY-II

QP Code: K1012

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

Long Essay: -

2x10=20 Marks

1. Describe Thyroid gland under the following headings with suitable diagrams - a) Gross features b) Coverings c) histology d) Clinical significance (3+1+5+1)
2. Describe the Kidney - under the following headings –
a) External features b) Anterior Relations c) Coverings d) Blood supply. (2+4+3+1)

Short Essays: -

6X5=30Marks

3. Describe the Medulla oblongata – Features and functions.
4. Describe the formation, circulation, absorption and functions of CSF
5. Describe the Trigone of Urinary bladder.
6. Illustrate the microscopic structure of Duodenum
7. Describe the Tympanic membrane with clinical importance
8. Describe the blood supply of brain

Short notes: -

10X3=30 Marks

9. Summarize recto uterine pouch
10. Name the ligaments of spleen
11. Name the parts of Pharynx
12. Name the coverings of Testis
13. Mention the differences between small and large intestine
14. Name the ear ossicles
15. Illustrate microscopic structure of Thyroid gland
16. Name the para nasal air sinuses
17. Mention the parts of Urethra
18. Name the salivary glands



**B.Sc. Allied Health Sciences First Year (Semester-I)
March 2023 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.*

LONG ESSAY

2 X 10 = 20 Marks

1. List the clotting factors. Describe the intrinsic and extrinsic pathway of coagulation (2+8)
2. Define cardiac cycle and list the phases of cardiac cycle. Describe various events of cardiac cycle.

SHORT ESSAY

6X 5 = 30 Marks

3. List the plasma proteins and enumerate their functions
4. List the mismatched blood transfusion reactions
5. Describe the etiology, clinical features and management of erythroblastosis foetalis
6. Describe the neural regulation of respiration
7. Define deglutition and List the steps of it
8. Draw a neat labelled diagram of a nephron and write the function of each

SHORT ANSWERS

10 X 3 = 30 Marks

9. Draw a neat labeled diagram of lead II ECG
10. List the functions of liver
11. List the functions of plasma proteins
12. State the normal values of – RBCs, WBCs, Platelets
13. Define chronic kidney disease
14. List the features of shock
15. Define vital capacity and state the normal value
16. List the functions of saliva
17. List the different types of body fluids
18. Define blood pressure