

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

B.Sc. Allied Health Sciences First Year (Semester-I)
April 2022 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 muscles and give suitable examples for each
2. Classify joints and give suitable examples for each
3. Describe the external features and chambers of heart

SHORT ESSAY

3 X 5 = 15 Marks

4. Describe the steps of oogenesis
5. Illustrate microscopic anatomy of muscular artery with salient features
6. Mention the structure and functions of lymph node.

SHORT ANSWERS

5 X 3 = 15 Marks

7. List the histological differences between the types of muscle
8. List the cell organelles.
9. Illustrate the structure of neuron
10. Give examples for stratified squamous epithelium
11. Name the branches of external carotid artery



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B.Sc. Allied Health Sciences First Year (Semester-I)
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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. Describe stomach under following headings
a. parts b. relations c. blood supply d. functions
2. Describe nasal cavity with boundaries, contents, blood supply
3. List the male reproductive organs explain in detail about testis

SHORT ESSAY

3 X 5 = 15 Marks

4. Ureter parts & blood supply
5. Extra ocular muscles with nerve supply
6. Histology of ovary

SHORT ANSWERS

5 X 3 = 15 Marks

7. Parts of pancreas
8. List the major openings of diaphragm
9. Illustrate typical spinal nerve
10. Name the ear ossicles
11. Name the layers of suprarenal gland



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B.Sc. Allied Health Sciences First Year Semester I
April 2022 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 Joint. Classify the Joints with examples. Describe the Synovial joint in detail.
(2+3+5)
2. Describe the external features and Blood supply of the Heart. (5+5)

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. Define muscle. Classify the muscles with their characteristic features.

Short notes: -

10X3=30 Marks

9. Classify the Cartilages with examples
10. Illustrate the microscopic structure of Skeletal muscle
11. Name the Bone cells
12. Name the branches of Arch of Aorta
13. Pneumatic bone - features and functions
14. Illustrate the structure of Mitochondria
15. Mention any three Dural venous sinuses
16. Mention the formation and tributaries of Portal vein
17. Mention the Neuroglial cells
18. Classify the glands according to mode of secretion



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B.Sc. Allied Health Sciences First Year Semester I

April 2022 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 superolateral surface of cerebrum under the following headings a) Lobes b) Sulci & gyri c) Functional areas d) Blood supply (1+3+4+2)
2. Describe Uterus under the following headings a) Gross features b) Relations c) Supports d) blood supply. (3+2+4+1).

Short Essays: -

6X5=30 Marks

3. Describe Thoraco - Abdominal diaphragm
4. Describe the external features and blood supply of Thyroid gland
5. Describe the gross features, root and blood supply of right lung
6. Illustrate the microscopic structure of Testis with salient features
7. Describe the boundaries and contents of Middle ear.
8. Describe the external features of Medulla oblongata.

Short notes: -

10X3=30 Marks

9. Name the ear ossicles
10. Illustrate microscopic structure of cornea
11. Name the para nasal air sinuses
12. Mention the parts of Tongue
13. Name the meninges of Spinal cord
14. Name the cranial nerves in order
15. Name the ligaments of spleen
16. Name cartilages of larynx
17. Name the coverings of Kidney
18. Mention the parts of stomach



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

April – 2022 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. Write the mechanism of intrinsic and extrinsic pathway of clotting
2. Define cardiac output with normal value. Describe the regulation of cardiac output (3+7=10)

SHORT ESSAY

6X 5 = 30 Marks

3. Describe micturition reflex.
4. List the mismatched blood transfusion reactions
5. Classify body fluid compartments. Give the volume of each compartment.
6. Draw the conductive system of the heart
7. Define jaundice. Describe any one type of jaundice.
8. Describe primary active transport with an example.

SHORT ANSWERS

10 X 3 = 30 Marks

9. List the anticoagulants
10. List the events of deglutition. List the different phases of deglutition
11. List the functions of bile
12. Define chronic kidney disease
13. List the plasma proteins
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 and give the normal value



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

April 2022 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.

LONG ESSAY

2 X 10 = 20 Marks

1. Describe the functions of Insulin and glucagon and list the features of diabetes mellitus(7+3)
2. Describe neuro-muscular junction with neat labelled diagram. List the features of myasthenia gravis (7+3)

SHORT ESSAY

6 X 5 = 30 Marks

3. Define hormone and classify hormones on the basis of chemical nature
4. Define Neuromuscular junction and explain the transmission of impulse with the help of flow chart
5. Describe the uterine changes that occur during menstrual cycle
6. List the features of secondary sexual characters in females
7. List the posterior pituitary hormones and give their function
8. Name one tract of the motor system and List the function

SHORT ANSWERS

10 X 3 = 30 Marks

9. List the components and functions of external ear
10. Write the physiological division of cerebellum
11. Describe cause and features myasthenia gravis
12. Name the hormones secreted by the Adrenal gland
13. List the features of Cushing's syndrome
14. Define Resting membrane potential and what is the normal value
15. Describe blood brain barrier
16. Define contraception and list the different methods in males
17. Define ovulation and mention the day of it in a 40 day cycle
18. Name the different tests for the deafness



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[Max. Marks: 50]

SUBJECT: PHYSIOLOGY-I

Q.P Code: J1021

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Draw neat labelled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Define erythropoiesis. List the sites of erythropoiesis. Describe the stages of erythropoiesis with appropriate diagrams.
2. Define cardiac cycle. Give its normal duration. Describe various events occurring during cardiac cycle.
3. Define vital capacity & give their normal values. Describe factors affecting vital capacity

SHORT ESSAY

3 X 5 = 15 Marks

4. Classify & list the functions of leucocytes.
5. List the factors affecting GFR
6. List the functions of stomach.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Draw a neat labeled diagram of Juxtaglomerular apparatus.
8. List the movements of small intestine
9. List the functions of DCT
10. Draw and label a normal ECG recorded from lead 2.
11. Explain 3 important functions of plasma proteins.

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[Max. Marks : 50]

SUBJECT : PHYSIOLOGY-II

Q.P Code : J1022

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 hormones secreted by the posterior pituitary gland. List the functions of each hormone.
2. With neat labeled diagrams explain the different refractive errors and their correction
3. List the composition, formation, circulation and function of cerebro-spinal fluid and add a note on Lumbar Puncture.

SHORT ESSAY

3 X 5 = 15 Marks

4. Describe neuromuscular transmission.
5. List the functions of aldosterone
6. Explain how intra uterine devices (IUCDs) act as contraceptive devices.

SHORT ANSWERS

5 X 3 = 15 Marks

7. List the hormones secreted by thyroid gland
8. Draw a neat labeled diagram of neuron.
9. List the functions of sertoli cells.
10. List the tests for ovulation
11. Draw a neat labeled diagram of reflex arc

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