

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

Bachelor of Physiotherapy

First Year Semester-I March 2023 Examination

TIME - 3 HRS

MAX MARKS: 100

ANATOMY

Q.P. CODE: B1010

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Describe Hip joint under the following headings a) Type and articular surface b) Ligaments c) Movements and muscles d) Applied aspect. (2+3+4+1)
2. Describe Extraocular muscles under the following headings - a) Origin b) Insertion c) Actions d) Nerve supply c) Clinical aspects. (1+2+3+2+2)
3. Describe Uterus under the following headings a) Gross features b) Relations c) Blood supply d) Ligaments e) Applied Aspects. (2+3+2+2+1)

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Describe Blood supply to long bone.
5. Classify Joints.
6. Microscopic feature of dorsal root ganglion.
7. Sternocleidomastoid muscle -Attachments, Nerve supply and Action.
8. Ulnar nerve in Hand.
9. Describe the interior of Right atrium.
10. Illustrate the features of lateral wall of nasal cavity.
11. Illustrate Superficial palmar arch - position, formation, and branches.
12. Illustrate the Structure of knee joint.
13. Describe the hamstring muscles with attachments and nerve supply.
14. Discuss the gross features and relations of stomach.
15. Development of neural tube and its anomalies.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. Contents of Hilum of lung.
17. Mention the structures passing through Foramen Magnum.
18. List the contents of middle ear.
19. List the branches of Axillary artery.
20. Classify the muscles.
21. Dangerous area of face.
22. Functional and clinical importance of Pleural recesses.
23. Draw a labelled diagram of microscopic structure of TS of bone.
24. Mention the Layers of scalp.
25. Mention the boundaries of popliteal fossa.
26. Spermatogenesis.
27. Mention the features of Bell's palsy.

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

Bachelor of Physiotherapy

First Year Semester-I March 2023 Examination

Time: 3.00 Hrs.

[Max. Marks: 100]

PHYSIOLOGY

Q.P Code: B1020

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 thyroid gland. Describe the functions of thyroid hormones. (2+8=10)
2. List the clotting factors. Write the mechanism of intrinsic and extrinsic pathway of clotting
3. Define cardiac output with normal value. Describe the regulation of cardiac output (3+7=10)

SHORT ESSAY

(Answer any Ten)

10 X 5 = 50 Marks

4. Describe micturition reflex.
5. List the mismatched blood transfusion reactions
6. Classify body fluid compartments. Give the volume of each compartment.
7. Draw the conductive system of the heart
8. Define jaundice. Describe any one type of jaundice.
9. Describe primary active transport with an example.
10. Define lung volumes and capacities with normal values.
11. Describe the transport of carbon dioxide in blood
12. Explain the events of deglutition.
13. List the functions of bile
14. Explain the Micturation reflex
15. List the function ADH and add a note on applied aspects.

SHORT ANSWERS

(Answer any Ten)

10 X 3 = 30 Marks

16. List the sensations carried by dorsal column medial lemniscus pathway
17. Mention the cause of Cushing syndrome and write any three clinical features
18. Name contractile proteins of the muscle.
19. Draw a neat labelled diagram of the ECG in lead II
20. List the male contraceptive methods
21. List the functions of rods and cones.
22. State the hamburgers phenomena
23. List anticoagulants and mention the any one anticoagulant mechanism of action
24. List the hormones secreted by male and female gonads
25. List the functions of growth hormone
26. List the properties of cardiac muscle
27. List 3 functions of hypothalamus

* * * *



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A DEEMED TO BE UNIVERSITY)

Bachelor of Physiotherapy

First Year Semester-I March 2023 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. Essay Questions Answer the following questions

2x10=20 Marks

1. Describe the heart under the following headings a) External features of heart, b) Interior of the right atrium c) arterial supply. (3+4+3)
2. Describe the knee joint under the following headings a) type and bones articulating b) Movements and muscles producing it c) ligaments & menisci (2+4+4)

II. Short Essay: Answer the following questions

6X5=30 Marks

3. Describe the boundaries and contents of Cubital fossa (3+2)
4. Classify synovial joints with suitable examples (3+2=5M)
5. Draw a neat labelled diagram of microscopic structure of lymph node and explain its features (3+2)
6. Explain briefly about spermatogenesis
7. Describe the course and branches of a typical intercostal nerve (3+2)
8. Describe the boundaries and contents of femoral triangle (3+2)

III. Short Answers: Answer the following questions

10X3=30 Marks

9. Name the bone cells
10. Muscles forming rotator cuff.
11. Anatomical lobes of liver
12. Branches of lateral cord of brachial plexus.
13. Structures passing deep to the flexor retinaculum of foot.
14. Illustrate stratified squamous epithelium in detail
15. List the contents of Intercostal space
16. List the parts of Uterus
17. Intervertebral disc
18. Supra hyoid muscles

* * *



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A DEEMED TO BE UNIVERSITY)

Bachelor of Physiotherapy

First Year Semester-I March 2023 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

LONG ESSAY

2 X 10 = 20 Marks

1. List the hormones secreted by thyroid gland. Describe the function of thyroid hormones add note on cretinism and myxoedema (2+6+2)
2. Draw the neat labeled diagram of the sarcomere. Describe the steps of excitation-contraction coupling (3+7)

SHORT ESSAY

6 X 5 = 30 Marks

3. Draw a neat labeled diagram of the cortical pyramidal tract and mention its functions
4. Define shock and Classify shock
5. Describe the events of neuromuscular transmission in a flow chart
6. List five differences between the cortical and Juxta medullary nephrons.
7. Define ovulation and list the different tests of the same
8. Define Landsteiner's law and give its application

SHORT ANSWERS

10 X 3 = 30 Marks

9. List plasma proteins
10. Draw a neat, labeled diagram of lead II ECG and mention the significance of each wave.
11. List three functions of the placenta
12. Draw a neat labeled diagram of the taste pathway
13. List three functions of the middle ear
14. List the grades of exercise based on heart rate.
15. List the factors affecting spermatogenesis
16. List the functions of the liver
17. List the sensations carried by the dorsal column medial lemniscus pathway
18. Define isotonic and isometric muscle contraction with an example

* * * *