

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

Bachelor of Physiotherapy (CBCS), First Year Semester-I
September 2021 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 Sciatic nerve under the following headings a) Formation & Root value b) Course c) Area of distribution d) Applied aspects. (2+3+3+2)
2. Describe Muscles of mastication under the following headings with suitable diagrams - a) Attachments b) Actions c) Nerve supply. (5+3+2)
3. Describe stomach under the following headings a) Gross features b) Relations c) Blood supply d) Nerve supply e) Applied Aspects. (2+3+2+2+1)

SHORT ESSAY (Answer any Ten)

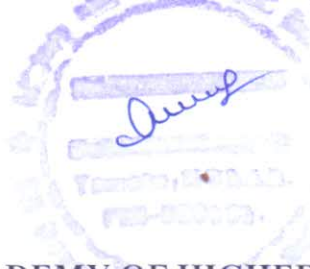
10X 5 = 50 Marks

4. Mention the attachments of Dorsal digital expansion.
5. Classify the supports of uterus.
6. Microscopic feature of Hyaline cartilage.
7. Orbicularis Oris-Attachments, Nerve supply and Action.
8. Flexor Retinaculum of Hand.
9. Relations of Left Lung.
10. Illustrate the features of lateral wall of nasal cavity.
11. Illustrate Superficial palmar arch - position, formation, and branches.
12. Analyze the locking and unlocking movements of knee joint.
13. Analyze the clinical features of Erb's palsy.
14. Discuss the gross features and relations of liver.
15. Describe fertilization and its effects.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. List the events at Sternal angle.
17. Illustrate the relations of base of urinary bladder in male.
18. List the structures passing through greater sciatic foramen.
19. Mention the branches of femoral artery.
20. Derivatives of Neural crest cells.
21. Attachments of Upper end of Tibia.
22. Name the layers of epidermis of Thin skin.
23. Draw a labelled diagram of microscopic structure of elastic artery.
24. Mention the bones forming and clinical importance of Pterion.
25. Mention the boundaries of popliteal fossa.
26. Illustrate visceral relations of spleen.
27. Mention the features of Bell's palsy.



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September 2021 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. Define erythropoiesis. Describe the stages of erythropoiesis with its regulation. (2+8=10)
2. Write the formation, drainage, composition, and functions of CSF.
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 phases of deglutition.
5. Explain the chemical regulation respiration
6. Classify body fluid compartments. Give the volume of each compartment.
7. Draw the conductive system of the heart
8. Mention the total body water levels and its compartments with normal values
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. Define the spermatogenesis. Explain the stages and factors regulating spermatogenesis
14. Explain the phases of endometrial changes of female sexual cycle
15. List the functions aldosterone and add a note on applied aspects.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. State the Landsteiner's law and its exemptions
17. Mention the cause of myxedema and write any three clinical features
18. Name contractile proteins of the muscle.
19. Define apoptosis and its physiological benefits
20. List the functions of bile
21. List the functions of hypothalamus.
22. State the hamburgers phenomena
23. List 3 chemical which regulates respiration
24. List the functions Juxta glamorous apparatus
25. List the lung volumes and capacities with normal values
26. List the sensations carried by dorsal column medial lemniscus pathway
27. List the three non-respiratory functions of lungs

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