

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

**Bachelor of Physiotherapy (CBCS), First Year Semester-I,  
January-2019 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 Brachial plexus under the following headings with suitable diagrams –a) Formation b) Root, trunk, cords c) Branches d) Applied aspect. (2+3+2+3)
2. 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)
3. Describe femoral triangle under the following headings a) Boundaries b) Contents c) add a note on Femoral nerve. (3+2+4)

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Typical intercostal space.
5. Cubital fossa – boundaries and contents.
6. Microscopic feature of retina.
7. Deltoid muscle -Attachments, Nerve supply and Action.
8. Illustrate scapula with muscular attachments.
9. Describe the gross features and blood supply of Duodenum.
10. Pelvic diaphragm.
11. Medial longitudinal arch.
12. Describe the gross features of spinal cord.
13. Describe the carotid triangle boundaries and contents.
14. Illustrate Femur with muscular attachment.
15. Describe rectus sheath formation and contents.

**SHORT ANSWER (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Mention the boundaries of popliteal fossa.
17. Mention the formation and attachment of tendocalcaneus.
18. Mention the branches of tibial nerve in popliteal fossa.
19. Enumerate the Thenar muscles.
20. Microscopic features of spinal cord.
21. Mention the functions and applied anatomy of plantar aponeurosis.
22. Blastocyst.
23. Mention the features of sacrum.
24. Mention the components of extra biliary apparatus.
25. List the cranial nerves.
26. Mention the formation of portal vein.
27. Illustrate transitional epithelium.

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**Bachelor of Physiotherapy (CBCS), First Year Semester-I**  
**January-2019 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. Name the hormones secreted by the anterior pituitary gland. Describe the functions of growth hormone.
2. Define & mention the normal duration of cardiac cycle. Describe the ventricular pressure volume changes during cardiac cycle.
3. Define erythropoiesis. Describe the stages of erythropoiesis.

**SHORT ESSAY (Answer any Ten)**

**10 X 5 = 50 Marks**

4. Describe the clinical features of Diabetes Mellitus.
5. Define GFR. Mention its normal value. List the factors affecting GFR.
6. Describe the cause, clinical features & treatment of myasthenia gravis.
7. Define & classify immunity.
8. List and describe the functions of stomach.
9. Give the normal pH of blood. List the body's major buffer system.
10. Describe long term regulation of arterial Blood Pressure.
11. Name the different types of neuroglia mention their function.
12. Mention the differences between isotonic and isometric contractions.
13. State Landsteiner's law.
14. Classify WBC. List the functions of WBC.
15. Describe the theories of color vision.

**SHORT ANSWER (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Outline the functions of juxta glomerular apparatus.
17. List the taste sensations.
18. Define Refractory period and give its importance.
19. Define & classify jaundice.
20. List the movements of small intestine.
21. List the functions of thyroid hormone.
22. List the theories of referred pain.
23. List the hormones secreted by posterior pituitary.
24. Define hypermetropia and give its correction.
25. List the tests for ovulation.
26. Define alveolar ventilation.
27. List the functions of cerebellum.

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