

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

**M.B.B.S Phase-I Degree Examination February 2021**

Time:3 hours

Max Marks:100

**ANATOMY- PAPER 1**

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

**LONG ESSAY**

**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 the left lung under following headings a) External features b) Root c) Relations on mediastinal surface d) Applied aspect (3+2+3+2)

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Describe the attachments, nerve supply and actions of Extra-ocular muscles.
4. Describe the lateral wall of nasal cavity.
5. Enumerate the intrinsic muscles of hand with nerve supply.
6. Describe the boundaries and contents of Carotid Triangle.
7. Draw a neat labeled diagram to show the sulci, gyri and functional areas of superolateral surface of cerebrum.
8. Illustrate the microscopic structure of lymph node.
9. Illustrate Circle of Willis
10. Illustrate the layers of Scalp with its blood and nerve supply
11. Draw a labelled diagram of the typical spinal nerve
12. Discuss about the development of interatrial septum.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Mention the branches of axillary artery.
14. Mention the muscles of mastication with their nerve supply.
15. Mention the course and termination of cephalic vein
16. Mention the contents of middle ear.
17. Mention the clinical importance of Apex of heart
18. Classify bones with one example each
19. Name the branches of facial nerve in face.
20. Mention the stages of implantation.
21. Illustrate the microscopic structure of thyroid gland.
22. Name the structures passing through carpal tunnel.



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**ANATOMY- PAPER 2**

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**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Describe Stomach under the following headings a) Parts b) Relations c) Blood supply d) Lymphatic drainage e) Applied anatomy.(1+2+3+3+1)
2. Describe Sciatic nerve under the following headings a) Formation & Root value b) Course c) Branches d) area of distribution e) Applied aspects (2+3+2+2+1)

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Discuss the ligaments of knee joint.
4. Discuss the portocaval anastomosis with its clinical significance
5. Describe the gross features and blood supply of testis.
6. Describe the gross features and microscopic structure of large intestine.
7. Describe the course and distribution of dorsalis pedis artery and mention its clinical significance.
8. Discuss the development of pancreas and mention its anomalies
9. Mention the genotype and clinical features of Turner's syndrome.
10. Discuss microscopic anatomy of ovary with its functional significance.
11. Mention the structures under cover of gluteus maximus with a diagram
12. Compare & contrast the structures piercing perineal membrane in male & female.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. List the ligaments of spleen.
14. Mention the boundaries and contents of popliteal fossa.
15. Mention the supports of uterus.
16. Name the hamstring muscles with its nerve supply.
17. Mention the significance of Barr body.
18. Mention the bare areas of liver.
19. Mention the attachments and contents of mesentery.
20. Mention the normal constrictions of ureter with its significance.
21. Draw neat labelled diagram of microscopic features of oesophagus.
22. Mention the features of trigone of urinary bladder.





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**M.B.B.S Phase-I Degree Examination FEBRUARY 2021**

Time: 2.30 hours

Max Marks: 80

**ANATOMY- PAPER 1**

*Your answer should be specific to the question asked  
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**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Describe the Blood supply of the Heart under the following headings - a) Arterial supply b) Venous drainage c) Applied aspects. (4+4+2)
2. Describe the cavernous sinus under the following headings - a) location b) relations c) communications d) tributaries e) clinical importance (1+3+3+2+1)

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Classify joints. Discuss the components of synovial joints
4. Describe the extent, course, relations and branches of third part of axillary artery
5. Describe the attachments, nerve supply and actions of Trapezius muscle
6. A construction labourer presented to the OPD with difficulty in raising his arm vertically upwards. He has a history of carrying heavy load on his back since many days. The examining physician asked the man to push against the wall in front. It was found that the medial border and inferior angle of his right scapula becomes prominent. (2+3) a) Identify the clinical condition and mention the structure affected in it. b) Mention the nerve supply and actions of the involved structure in the above clinical condition.
7. Interpret the costo-diaphragmatic recess of pleura.
8. A one year old child was brought to the hospital for a routine checkup. The mother gave the history of forceps delivery and soft tissue injury to the left side of neck. On examination, the head of the child was turned towards the left shoulder with chin pointing towards right side and above. a) Identify the clinical condition and the structure involved in it. (2) b) Justify the tilting of head towards the left shoulder. (1) c) Mention the nerve supply and actions of the affected structure. (2)

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

9. Differentiate between tendon and aponeurosis with examples.
10. Name the muscles responsible for pronation with their nerve supply.
11. Describe the embryological basis of ventricular septal defects
12. What is Dangerous area of face. Give its clinical importance
13. Mention the features of Bell's palsy
14. Mention the cause for Torticollis (wry neck)
15. What is subarachnoid hemorrhage? Mention one cause
16. Mention the components of Limbic lobe
17. Describe the microscopic structure of cerebrum
18. Mention the nuclei of hypothalamus with their functions

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**ANATOMY- PAPER 2**

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**LONG ESSAY**

**2 X 10 = 20 Marks**

1. A 60 year old man with a history of chronic duodenal ulcer was admitted to the hospital in an unconscious state. He has noticed blood in his vomits. His pulse was weak and blood pressure was very low. a). Which artery is eroded in the perforation of peptic ulcer on the post wall of first part of duodenum? (1)  
b). Name the origin of the vessel involved.(2)  
c). Describe the relation and internal features of second part of duodenum.(5)  
d). Mention the development of duodenum.(3)
2. Describe Femoral triangle under the following headings a)Boundaries b) Contents c) Applied aspects(3+4+3)

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Describe the interior of anal canal with its clinical significance
4. Describe relations of right kidney with an Illustration
5. Describe the origin, insertion, nerve supply, actions and clinical anatomy of gluteus maximus.
6. Describe development and fate of paramesonephric duct
7. Compute the genotype and clinical features of down's syndrome
8. Discuss microscopic anatomy of liver with its functional significance.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

9. Mention the coverings of testis with their functions.
10. Enlist the branches of coeliac trunk.
11. List the fibromuscular supports of uterus with its clinical significance.
12. Mention the nerve and muscles involved in the foot drop.
13. Mention the characteristics of hamstring muscles.
14. Illustrate attachments of intercondylar area of tibia.
15. Mention the derivatives of midgut with chief arterial supply to them.
16. Illustrate the lateral wall of ischio anal fossa.
17. Draw neat labelled diagram of microscopic features of Epididymis.
18. Illustrate the positions of appendix.

