



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

MBBS Phase I Examination - January 2023

Time: 150 Minutes

Max Marks: 80 Marks

Anatomy Paper I QP Code C1011

(Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary)

Long Essay

10 × 2 = 20 Marks

1. Enumerate the spaces of hand, explain about the palmar spaces with suitable diagram. Add anote on the applied aspects. (1+3+3+3=10)
2. Describe extraocular muscles under following headings –
a) Origin b) insertion c) actions d) nervesupply e) clinical aspects
(1+2+3+2+2)

Short Essay

5 × 12 = 60 Marks

3. Describe fibrous joints and give examples
4. Illustrate Superficial palmar arch-position, formation, and branches
5. Describe the features of typical thoracic vertebrae
6. Interpret the area of Superficial cardiac dullness.
7. Discuss the Broncho-pulmonary segments of left lung with applied aspects. (3+2)
8. Analyze the clinical relevance of thyroid gland related to its blood supply
9. A 10 year old boy came to the hospital with a history of recurrent attacks of sore throat. On inspection of the oropharynx, there was swelling and redness on either side of base of the tongue.
a) Identify the clinical condition. (1)
b) Mention the location and relations of the structureinvolved. (3)
c) Mention the arterial supply of the involved structure. (1)
10. Describe the lateral wall of nasal cavity with gross features, blood and nerve supply
11. Enumerate ascending and descending tracts at mid thoracic level of spinal cord with anillustration.
12. Describe the development of Primitive streak
13. Discuss development, functions and fate of notochord.
14. Illustrate the microscopic structure of parotid gland with salient features.



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Anatomy Paper II QP Code C1012

(Your answer should be specific to the question asked
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10 × 2 = 20 Marks

Long Essay

1. A 42-year-old man visited hospital with a complaint of chronic dull pain in his both legs. On examination, the dilated tortuous veins were observed on the medial sides of both legs. The skin in front of medial malleolus was discolored, dry and scaly. He was diagnosed as a case of varicose veins.
 1. Define varicose veins (1)
 2. Which lower limb veins are most likely to become varicose? (1)
 3. Mention the predisposing factors for this condition. (1)
 4. What are the perforating veins? (2)
 5. Describe the anatomical basis of the varicosity (5)
2. Describe the Right Kidney under the following headings-
 - a. Gross features
 - b. Relations
 - c. Blood supply
 - d. Applied anatomy(3+3+3+1)

5 × 12 = 60 Marks

Short Essay

3. Mention the genotype and clinical features of Turner's syndrome
4. Describe the boundaries, contents and applied anatomy of inguinal canal.
5. Describe the gross features and blood supply of pancreas
6. Describe the origin, course and termination of Abdominal aorta
7. Describe the boundaries and contents of recto uterine pouch along with its clinical significance.
8. A woman few days after child birth complains of painful swelling in her peri anal region.
 1. Name the fossa related to anal canal (1)
 2. Describe the boundaries and spaces of the above fossa (3)
 3. List the contents of the above fossa (1)
9. A 26 years old woman with acute pain in the lower abdomen was rushed to the hospital in state of shock. A history of 2 missed periods suggested early pregnancy. The abdominal wall showed tenderness. Ultrasound revealed a empty and enlarged uterus and blood in the Douglas pouch.
 1. Name the structure ruptured in the above condition (1)
 2. Name the parts of the structure involved (2)
 3. Mention the normal site of fertilization (1)
 4. Mention the blood supply of the above structure. (1)
10. List five major differences between the male and female bony pelvis.
11. Justify the clinical importance of cruciate ligaments of knee joint
12. A 45 year old man with travelling history of hours on long distance flights complains of tightness in the calf and calf muscle tenderness. Doppler reveals feature of Deep vein thrombosis.
 1. Describe the anatomical basis of the condition (3)
 2. Mention the factors preventing the above condition (2)
13. Describe the microscopic anatomy of Pancreas
14. Describe the fate of endodermal cloaca

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M.B.B.S Phase-I Degree Examination JANUARY 2023

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 the blood supply of the Heart and its applied aspects.(8+2)
2. Describe Lateral Wall of Nasal cavity under following headings - a) Formation b) Openings c) Blood supply d) Nerve supply e) Applied aspects (2+3+2+2+1)

SHORT ESSAY

10 X 5 = 50 Marks

3. Discuss the boundaries and contents of infratemporal fossa.
4. Enumerate the derivatives of the neural crest cells
5. Discuss the deltoid muscle under the following headings a) Attachments b) Nerve supply c) Applied aspect
6. Illustrate the microscopic structure of White fibro cartilage
7. Describe the boundaries and contents of typical intercostal space
8. Describe the formation of chorionic villi
9. Describe the Rotator cuff of shoulder
10. Discuss the connections of otic ganglion with diagram
11. Illustrate Circle of Willis
12. Illustrate the distribution of right coronary artery.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Name the structures passing through foramen spinosum
14. Name the branches of maxillary division of trigeminal nerve
15. Mention the developmental anomalies of thyroglossal duct
16. Name the muscles responsible for supination
17. List the general features of typical rib
18. Mention the differences in the structure of large and muscular artery
19. Define epiphysis and list different types of epiphysis with examples
20. Illustrate bilaminar germ disc
21. Mention the origin and area supplied by mental nerve
22. Mention the boundaries of Rhomboid fossa