

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

MBBS FIRST YEAR EXAMINATIONS: SEPTEMBER, 2025

**ANATOMY
PAPER – II**

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Multiple Choice Questions:

10 X 1 = 10

1. Which is longest superficial vein of lower limb?
 - a) Long saphenous
 - b) Femoral
 - c) Popliteal
 - d) None of the above
2. Aberration of which chromosome is seen in Patau's syndrome
 - a) 13
 - b) 14
 - c) 18
 - d) 21
3. Urinary bladder is lined by.....
 - a) Urothelium
 - b) Stratified squamous epithelium
 - c) Columnar epithelium
 - d) Simple squamous epithelium
4. Which of the following nerve innervates the mediastinal pleura
 - a) Vagus
 - b) Phrenic
 - c) Intercostal
 - d) Splanchnic
5. Uterine tube is lined by _____ epithelium
 - a) Simple columnar
 - b) Ciliated columnar
 - c) Stratified columnar
 - d) Pseudo stratified columnar
6. Boundaries of mediastinum are all except
 - a) Sternum
 - b) Cervical vertebra
 - c) Thoracic inlet
 - d) Diaphragm
7. Following muscle present on the dorsum of the foot.....
 - a) Soleus
 - b) Extensor digitorum brevis
 - c) Peroneus longus
 - d) Peroneus brevis
8. Following are the prenatal diagnostic methods
 - a) Ultrasound
 - b) Maternal serum screening
 - c) Amniocentesis
 - d) All of the above
9. Perimysium is the covering of
 - a) Bone tissue
 - b) Muscle tissue
 - c) Nerve tissue
 - d) Cartilage tissue

10. Coronal plane passes through

- a) Sagittal suture
- b) Coronal suture
- c) Lambdoid suture
- d) None of the above

Essay/ Long Answer Questions:

2 X 15 = 30

11. A 55-year-old man presented to the hospital with a complaint of bleeding from the anus during passage of motion. The patient is having history of constipation since long time. Doctor examined and observed finger like projection present around the anal opening.

a) What is the probable diagnosis?

Describe the rectum and anal canal under the following headings.

b) Gross anatomical features of rectum and anal canal

c) Internal structure of the rectum and anal canal.

d) Blood supply and venous drainage of anal canal.

(3+5+3+4)

12. Discuss the knee joint under the following headings.

a) Type of the joint and articular surface.

b) Ligaments of the joint.

c) Relations of the joint

d) Movement at the knee and the muscles producing movements.

e) Bloods supply and nerve supply of the joint.

(2+3+3+4+3)

Short Answer Questions:

7 X 6 = 42

13. Explain the genetic basis for turner's syndrome.

14. Describe the formation and tributaries of azygous vein.

15. Embryological basis for Patent Ductus Arteriosus (PDA)

16. Write boundaries, contents and clinical importance of the femoral triangle.

17. Draw neatly labelled diagram of anterior relations of right kidney.

18. Explain the importance of "cadaveric oath"

19. Neatly labelled diagram of microanatomy of the pancreas.

Very Short Answer Questions:

6 X 3 = 18

20. Neatly labelled diagram of histology of the fallopian tube.

21. Enumerate pleural recesses.

22. Name the branches of abdominal aorta.

23. Compare the structure arrangements in the right and left lung roots.

24. Enumerate the derivatives of midgut.

25. Discuss the blood supply of growing long bone.
