

**RAN-2506121201010504****M.D. (Anatomy) Examination September - 2025****Paper - IV****Time: 3 Hours]****[Total Marks: 100****સૂચના : / Instructions**

(૧)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **M.D. (Anatomy)**

Name of the Subject :

☛ **Paper - IV**Subject Code No.: **2506121201010504**

Seat No.:

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Student's Signature

- 2) Attempt all questions.
- 3) Illustrate your answers with suitable diagrams.
- 4) Figures to the right indicate marks.

Q-1. Describe the role of Virtual dissection table and its role in future medical education. Add a note on its advantages and limitations. **(20)**

Q-2. Describe the comparative anatomy of the pectoral girdle in vertebrates. Add a note on advantages of evolutionary modifications of pectoral girdle in human beings. **(20)**

Q-3. Describe Stem cell therapy and its applied aspects in medical science. **(20)**

Q-4. Write short notes on the following: (4 × 10 = 40)

- a. PET scan principles and limitations
- b. Evolution of binocular stereoscopic vision
- c. Benefits of Organ retrieval and Tissue banking
- d. Role of Artificial intelligence in anatomy