

**QP Code: 101102**

**Reg. No.:.....**

**PG Degree Regular/Supplementary Examinations in Anatomy (MD)  
June 2024**

**Paper I – Gross Anatomy Including Surface and Radiological Anatomy and  
Newer Imaging Techniques**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. Describe the different phases of the walking cycle. Explain the active group of muscles responsible for producing and controlling movement of lower limb during each phase.

**Short Essays:**

**(8x10=80)**

2. Compare and contrast the nerve supply of the hand and foot.
3. Describe the arterial supply of the heart.
4. Describe the modifications of the deep fascia of the neck.
5. Describe the interior of larynx in detail.
6. Describe the supracolic compartment of the peritoneal cavity.
7. Describe the Coldwell – Molly classification of the pelvis. Compare and contrast the anatomical features of the male and female bony pelvis.
8. Describe the surface marking of the heart and its valves.
9. Describe the principles, applications, and limitations Magnetic resonance imaging (MRI) and add a note on usefulness in learning anatomy.

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