

**Code: 102001**

**Reg. no.:** .....

First Professional MBBS Degree Examinations, August 2012

**ANATOMY- PAPER II**

**Time: 3 Hours**

**Total Marks: 50**

- Answer all questions
- Draw diagrams wherever necessary

**Long Essay** (10)

1. A 4 year old child swallowed a shirt button. Since the child began to suffocate she was rushed to the hospital, where on x-ray examination, impaction of foreign body in the larynx was confirmed. Based on your knowledge in anatomy, answer the following questions.

- Which is the narrowest part of the laryngeal cavity.
  - Briefly describe the interior of larynx.
  - Which muscle is known as the safety muscle of the larynx and why.
  - Name the joints at which the muscles of larynx act and briefly mention the movements taking place at these joints.
  - What anatomical structures in the midline of neck are encountered during surgical approach to trachea below isthmus of thyroid gland.
- (1+3½ +1+2½ +2=10)

**Short Essay** (3x5=15)

2. Anal canal
3. Spinal cord – gross anatomical features, blood supply and vertebral levels of spinal segments
4. Inguinal canal- extent, boundaries, contents and applied anatomy.

**Short notes:** (5x3=15)

5. Posterior triangle of neck
6. Lacrimal apparatus
7. Corpus callosum
8. Microscopic structure of palatine tonsil
9. First branchial arch

**Short answers:** (3x2=6)

10. Enumerate the muscles of the soft palate
11. Deep perineal pouch and its contents
12. Derivatives of pre arterial segment of midgut loop

**Draw diagram:** (2x2=4)

13. Horizontal section through the abdomen at the level of L4 vertebra
14. Circle of Willis

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