

Code: 102001

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.

 $(1+3\frac{1}{2}+1+2\frac{1}{2}+2=10)$ **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
