

**Q.P. Code: 102001**

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

**First Professional MBBS Degree Supplementary Examinations  
January 2019**

**Anatomy - Paper II**

**Time: 3 Hours**

**Total Marks: 50**

- Answer all questions
- Draw diagrams wherever necessary

**Long Essay**

**(10)**

1. A 65-years old woman came to the hospital with a swelling in front of the neck. On examination, it was found that the swelling was moving up and down during swallowing. After surgical excision of the swelling, she experienced hoarseness of her voice. With your knowledge of anatomy, answer the following questions:
  - Name the structure involved.
  - Briefly describe its coverings, external features, relations and blood supply.
  - State the reasons for up and down movements of the swelling.
  - What was the probable cause of hoarseness of voice following surgery.
  - Add a note on the development of the structure involved. (1+4½+1½+1+2)

**Short essays**

**(3x5=15)**

2. Lesser sac
3. Duodenum
4. Cavernous sinus

**Short notes**

**(5x3=15)**

5. Cleft palate
6. Third ventricle
7. Facial artery
8. Superior mesenteric artery
9. Derivatives of pharyngeal pouches

**Short answers**

**(3x2=6)**

10. Temporalis
11. Urogenital diaphragm
12. Styloid process of skull

**Draw diagrams**

**(2x2=4)**

13. Circle of Willis
14. Transverse section through the trans pyloric plane

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