

**QP Code: 101002**

Reg.No.: .....

First Year BDS Degree Examinations - August 2016

**General Human Anatomy including Embryology and Histology**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x14=28)**

1. Describe the middle ear in detail under the following headings:

- Shape and size
  - Parts and communications
  - Contents
  - Features of each wall
  - Blood supply and nerve supply
  - Applied anatomy
- (2+2+2+5+2+1=14)

2. Describe the mandibular nerve in detail under the following headings:

- Functional components
  - Course and relations
  - Branches and distribution
  - Applied anatomy
- (2+5+6+1=14)

**Short essays**

**(4x8=32)**

3. Name the para nasal sinuses and mention its functions. Where do each of them open.

Mention its clinical importance. (2+2+2+2=8)

4. Describe the palatine tonsil under the following:

- Location
  - Features
  - Blood supply
- (2+4+2=8)

5. Describe the tongue under the following:

- External features
  - Extrinsic muscles
  - Histology
- (2+3+3=8)

6. Describe the extra ocular muscles including:

- Origin and insertion
  - Actions
  - Nerve supply
- (3+4+1=8)

**Short notes**

**(10x4=40)**

7. Sub mandibular ganglion
8. Microscopic structure of hyaline cartilage
9. Graafian follicle
10. Tentorium cerebelli
11. Inter peduncular fossa
12. Chromosomes
13. Bell's palsy
14. Pharyngeal pouches
15. Cavity of larynx
16. Structures within the parotid gland

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