

**QP Code: 101002**

Reg.No.: .....

First Year BDS Supplementary Degree Examinations - February 2015

**General Human Anatomy including Embryology and Histology**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x14=28)**

1. Classify dural venous sinuses. Describe the cavernous sinus in detail under the following headings:  
• Situation • Relations (*structures outside, structures in the lateral wall and within the sinus*) • Tributaries • Communications • Applied anatomy (4+1+4+2+2+1=14)
2. Describe the temporo-mandibular joint in detail under the following headings:  
• Articular surfaces • Ligaments • Articular disc • Relations  
• Movements and muscles producing them • Blood supply and nerve supply  
• Applied anatomy (2+2+2+2+4+1+1=14)

**Short essays**

**(4x8=32)**

3. Describe the posterior triangle of neck under the following :  
• Boundaries • Contents • Applied anatomy (3+3+2=8)
4. Describe the sub mandibular salivary gland under the following : • Parts and its relations  
• Sub mandibular duct • Secretomotor pathway (4+1+3=8)
5. Describe the maxillary nerve under the following:  
• Course and relations • Branches and distribution • Applied anatomy (3+4+1=8)
6. Describe the development of tongue and correlate the nerve supply to its development.  
Add a note on its congenital anomalies. (4+2+2=8)

**Short notes**

**(10x4=40)**

7. Buccinator
8. Microscopic structure of lymph node
9. Implantation
10. Carotid triangle
11. Circle of Willis
12. Chromosomes
13. Nasal septum
14. Hyoid arch
15. Subclavian artery
16. Ciliary ganglion

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