

QP Code: 111002

Reg. No.: .....

**First Year BDS Degree Supplementary Examinations June 2024**  
**General Human Anatomy including Embryology and Histology**  
**(2016 Scheme)**

**Time: 3 Hours**

**Max Marks: 70**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary*

**Essays: (2x10=20)**

1. Describe the facial nerve under the following headings:  
(a) Functional component (b) Course and relations  
(c) Branches and Distribution (d) Applied anatomy (1+3+5+1)
2. Describe cavernous sinus under the following headings:  
(a) Position and extent (b) Boundaries and Relations  
(c) Communications and Tributaries (d) Applied anatomy (1+4+4+1)

**Short Notes: (4x5=20)**

3. Describe components and blood supply of nasal septum. Add a note on Kiesselbach's plexus. (3+2)
4. Describe the attachments, nerve supply and actions of lateral pterygoid muscle (3+1+1)
5. Describe the parts, relations and blood supply of thyroid gland. (1+2+2)
6. Describe floor of fourth ventricle with the help of neat labeled diagram. (3+2)

**Brief Notes: (10x3=30)**

7. Tympanic membrane
8. Microscopic structure of spinal ganglion
9. Implantation
10. Karyotyping
11. Structures passing through foramen magnum
12. Derivatives of first pharyngeal arch
13. Erb's paralysis
14. Secretomotor nerve supply of parotid gland
15. Piriform fossa
16. Dangerous area of face

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