FIRST YEAR B.D.S. DEGREE EXAM
PAPER I – GENERAL ANATOMY INCLUDING
EMBRYOLOGY AND HISTOLOGY

Q.P Code: 544201

Time: 180 Minutes                                    Maximum: 70 Marks

Answer All Questions

I. Elaborate on:                                        (2 x 10 = 20)

1. Describe the ocular motor nerve under the following heading:
   a) Nuclei and functional components   b) Course and relations
   c) Branches                          d) Applied aspects.

2. Thyroid gland under the following headings – Structure and Position, Relations, Blood supply, Histology and add a note on its Surgical Anatomy.

II. Write Notes on:                                      (10 x 5 = 50)

1. Buccinator.
2. Inferior Alveolar Nerve.
3. Cavernous sinus.
4. Otic ganglion.
5. Floor of IV ventricle.
6. II pharyngeal arch.
7. Vertebral Artery.
8. Vocal cords.
10. Middle meatus of nose.

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Answer All Questions

I. Elaborate on:  

(2 x 10 = 20)

1. Sub-mandibular gland under the following headings  
   a) Structure and Position  b) Relations  c) Secretomotor pathway  
   d) Histology  e) Applied Anatomy.

2. Temporo-Mandibular Joint – Bones involved in the joints, Ligaments, Relations, Movements and muscles involved and add a note on its applied anatomy.

II. Write Notes on:  

(10 x 5 = 50)

1. Torticollis.
2. Dangerous area of face.
3. Circle of Willis.
5. Development of palate.
6. Palatine Tonsil.
7. Styloid process and structures attached to it.
8. Cavernous sinus.
9. Interpeduncular fossa.
10. Lingual nerve.

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I. Elaborate on:  
(2 x 10 = 20)

1. Describe the internal carotid artery under the following headings
   - Parts
   - Course
   - Branches
   - Relations
   - Applied anatomy

2. Describe the following about the mandibular division of trigeminal nerve
   - Functional component
   - Cranial nerve nuclei
   - Course
   - Branches
   - Communications
   - Applied anatomy

II. Write Notes on:  
(10 x 5 = 50)

1. Derivatives of first pharyngeal arch.
2. Hyoglossus muscle.
3. Histology of sensory ganglion.
5. Maxillary air sinus.
6. Parotid duct.
7. Superior orbital fissure.
8. Suboccipital triangle.
10. Lacrimal apparatus.

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I. Elaborate on: (2 x 10 = 20)

1. Describe Larynx under the following headings:
   - Cartilages
   - Muscles
   - Sub divisions of interior of Larynx
   - Nerve supply
   - Applied Anatomy

2. Describe the posterior triangle with the following sub-headings:
   - Boundaries
   - Subdivisions
   - Roof
   - Floor
   - Contents
   - Applied anatomy

II. Write Notes on: (10 x 5 = 50)

1. Parotid duct.
2. Nerve supply of tongue.
3. Waldeyer’s ring.
4. Features of lateral wall of nose.
5. Functional areas of cerebrum.
6. Function of muscles of larynx.
8. Derivatives of pharyngeal pouches.
10. Submandibular ganglion.
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Time: 180 Minutes                                    Maximum: 70 Marks

Answer All Questions

I. Elaborate on:                                    (2 x 10 = 20)

1. Describe the parts, blood supply relations and development of pituitary gland.

2. Describe the origin, insertion, nerve supply and actions of muscles of mastication.

II. Write Notes on:                                (10 x 5 = 50)

1. Ophthalmic artery.
2. Auriculo Temporal nerve.
4. Sub Arachnoid cisterns.
5. Histology of Palatine tonsil.
7. Lymphatic drainage of tongue.
8. Carotid sheath.
10. Styloid Apparatus.

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Time: 180 Minutes                                      Maximum: 70 Marks

Answer All Questions

I. Elaborate on:                                         (2 x 10 = 20)

1. Mention the classification of Dural Venous Sinuses. Describe the Cavernous Sinus in detail, under the following sub headings
   • Relations
   • Communications
   • Applied Anatomy

2. Name the muscles that bring out movements of Eye Ball. Give their origin, insertion, nerve supply and action.

II. Write Notes on:                                      (10 x 5 = 50)

1. Draw diagrams for muscles attached over mandible.
2. Ciliary ganglion.
4. Floor of fourth ventricle.
5. Development of Tongue.
8. Somites.
9. Middle meatus of nose.
10. Auditory Tube.

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