

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 oculomotor 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.
9. Dural folding.
10. Middle meatus of nose.

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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.
4. Maxillary air Sinus.
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:

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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.
4. Cavity of larynx.
5. Maxillary air sinus.
6. Parotid duct.
7. Superior orbital fissure.
8. Suboccipital triangle.
9. Auditory tube.
10. Lacrimal apparatus.

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I. Elaborate on:

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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.
7. Histology of retina.
8. Derivatives of pharyngeal pouches.
9. External carotid artery.
10. Submandibular ganglion.

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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.
3. Buccinator muscle.
4. Sub Arachnoid cisterns.
5. Histology of Palatine tonsil.
6. External jugular vein.
7. Lymphatic drainage of tongue.
8. Carotid sheath.
9. Articular disc of temporomandibular joint.
10. Styloid Apparatus.

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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.
3. Submandibular duct.
4. Floor of fourth ventricle.
5. Development of Tongue.
6. Nasopharynx.
7. Histology of serous salivary gland.
8. Somites.
9. Middle meatus of nose.
10. Auditory Tube.

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Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Describe about the submandibular salivary gland, its relations and secretomotor pathway.
2. Describe the following about the maxillary division of trigeminal nerve
 - Functional component
 - Cranial nerve nuclei
 - Course and Branches
 - Relations
 - Applied Anatomy

II. Write Notes on:

(10 x 5 = 50)

1. Bell's palsy.
2. Development of Tooth
3. Maxillary Artery.
4. Blood supply of Scalp.
5. Inferior alveolar nerve.
6. Internal jugular vein.
7. Sub occipital triangle.
8. Lateral wall of the nasal cavity.
9. Membranous Bones.
10. Nerve and blood supply of larynx.

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I. Elaborate on:

(2 x 10 = 20)

1. Describe the features, relations and microscopic structure of Thyroid Gland.
2. Describe the boundaries and contents of Carotid Triangle.

II. Write Notes on:

(10 x 5 = 50)

1. Nasal septum.
2. Facial artery.
3. Fertilization.
4. Killian's dehiscence.
5. Tenon's Capsule
6. Cervical sympathetic chain.
7. Internal capsule.
8. Lateral pterygoid muscle.
9. Waldeyer's Ring.
10. Histology of compact bone.

[BDS 0321]

MARCH 2021
(AUGUST 2020 SESSION)

Sub. Code: 4201

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Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Describe the Cavernous Sinus under the following Headings.
 - Location
 - Relations
 - Tributaries
 - Communications
 - Applied anatomy

2. Describe the Parotid Gland under the following Headings.
 - Position and Relations
 - Nerve Supply
 - Histology
 - Applied Anatomy

II. Write Notes on:

(10 x 5 = 50)

1. Submandibular Ganglion.
2. Superior Orbital Fissure.
3. Histology of Retina.
4. Facial Artery.
5. Development of Palate.
6. Corpus Collosum.
7. Medial Wall of Middle Ear Cavity.
8. Blood and Nerve Supply of Nasal Septum.
9. Muscles of Soft Palate.
10. Submental Triangle.
