

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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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.
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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Answer All Questions

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

FIRST YEAR B.D.S. DEGREE EXAM

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Time: 180 Minutes

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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.

[BDS 0921]

SEPTEMBER 2021
(FEBRUARY 2021 SESSION)

Sub. Code: 4201

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. Mention the Classification of Dural Venous Sinuses. Describe the Cavernous Sinus in detail, under the following Sub Headings.
 - Relations
 - Communications
 - Applied Anatomy
2. Narrate the Attachments, Nerve Supply and Actions of Intrinsic Muscles of Larynx.

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. External Carotid Artery.
9. Middle Meatus of Nose.
10. Waldeyer's Ring.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0322]

**MARCH 2022
(AUGUST 2021 SESSION)**

Sub. Code: 4201

FIRST YEAR B.D.S. DEGREE EXAM

**New Modified Revised Regulation (August 2016 Examination Session onwards)
[Common to Modified Regulation III {Candidates admitted from 2003-2004
to 2007-2008} and New Modified Regulation {Candidates admitted
from 2008 – 2009 onwards}]**

**PAPER I – GENERAL ANATOMY INCLUDING
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Time: 180 Minutes

Maximum: 70 Marks

Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Describe the Tongue under the following Headings:
 - General Features.
 - Development.
 - Blood and Nerve Supply.
2. Describe the Internal Carotid Artery under the following Headings:
 - Commencement.
 - Course and Relations.
 - Branches.
 - Applied Anatomy.

II. Write Notes on:

(10 x 5 = 50)

1. Lateral Ventricle.
2. Lateral Pterygoid Muscle.
3. Classification of Cartilages of Larynx.
4. Histology of Pituitary.
5. Development of Face.
6. Extra Cranial Course of Facial Nerve.
7. Lymphatic Drainage of the Face.
8. Tenons Capsule.
9. Maxillary Air Sinus.
10. Tympanic Membrane.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0722]

**JULY 2022
(FEBRUARY 2022 SESSION)**

Sub. Code: 4201

FIRST YEAR B.D.S. DEGREE EXAM

**New Modified Revised Regulation (August 2016 Examination Session onwards)
[Common to Modified Regulation III {Candidates admitted from 2003-2004 to 2007-2008}
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**PAPER I – GENERAL ANATOMY INCLUDING
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Maximum: 70 Marks

Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Describe the Facial Nerve:
 - a) Nuclei and Functional components.
 - b) Course and Relations.
 - c) Branches and Distribution.
 - d) Applied Anatomy.
2. Describe Tongue under the following:
 - a) External features.
 - b) Muscles.
 - c) Nerve supply.
 - d) Applied Anatomy.

II. Write Notes on:

(10 x 5 = 50)

1. Synovial Joint.
2. Middle Meningeal Artery.
3. Cavity of Larynx.
4. Palatine Tonsil.
5. Superior Orbital Fissure.
6. Oesophagus.
7. Styloid Apparatus.
8. Corpus Callosum.
9. Development of Face.
10. Histology of Mucous Salivary Gland.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 1222]

**DECEMBER 2022
(AUGUST 2022 EXAM SESSION)**

Sub. Code: 4201

FIRST YEAR B.D.S. DEGREE EXAM

**New Modified Revised Regulation (August 2016 Examination Session onwards)
[Common to Modified Regulation III {Candidates admitted from 2003-2004 to 2007-2008}
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Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Describe the Temporo- Mandibular joint:
 - a) Articular surfaces
 - b) Ligaments.
 - c) Movements.
 - d) Muscles producing movement.
2. Describe the submandibular gland:
 - a) Surfaces and relation
 - b) Submandibular duct.
 - c) Secreto-motor pathway
 - d) Applied Anatomy.

II. Write Notes on:

(10 x 5 = 50)

1. Orbicularis oculi.
2. Maxillary artery.
3. Inferior alveolar nerve.
4. Medial wall of middle ear.
5. Nasal septum.
6. Extrinsic muscles of tongue.
7. Histology of thyroid gland.
8. First pharyngeal arch.
9. Lateral sulcus of cerebrum.
10. Internal jugular vein.
