

August - 2009

[KV 701]

Sub. Code: 4168

FIRST B.D.S DEGREE EXAMINATION

(Regulations for the candidates admitted from 2008-09 onwards)

Paper I – GENERAL ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

Q.P. Code: 544168

Time: Three hours

Maximum: 70 Marks

ANSWER ALL QUESTIONS

I. Essays: 2 x 15 = 30 Marks

1. Describe the anatomy of the tongue including its blood supply, lymph drainage, nerve supply and development.
2. Describe the articular surface, ligaments, nerve supply, relations and movements of the temporomandibular joint.

II. SHORT NOTES ON: 6 X 5 = 30 Marks

1. Otic ganglion.
2. Secretomotor pathway to parotid gland.
3. Facial artery.
4. Interpeduncular fossa.
5. Waldeyer's ring.
6. Ansa cervicalis.

III. WRITE SHORT ANSWER QUESTIONS: 5X 2 = 10 Marks

1. Contents of carotid triangle.
2. Name the muscles of larynx.
3. Transitional epithelium.
4. Histology of cerebral cortex.
5. Dental innervation.

August 2010

[KX 701]

Sub. Code: 4168

FIRST B.D.S DEGREE EXAMINATION

(Regulations for the candidates admitted from 2008-09 onwards)

Paper I – GENERAL ANATOMY INCLUDING EMBRYOLOGY

AND HISTOLOGY

Q.P. Code: 544168

Time: Three hours

Maximum: 100 Marks

Answer ALL Questions

I. Essays:

2 x 15 = 30 Marks

1. Write an essay on Tongue. Mention the muscles and nerve supply of the tongue. Co-relate the nerve supply and development of tongue.
2. Mention the Nuclei of Facial nerve. Write in detail about the emergence, course, branches and area of supply of the Facial nerve. Explain Bell's palsy.

II. Short notes on:

6 x 5 = 30 Marks

1. Diaphragmatic Triangle.
2. Development of Tooth.
3. Floor of IVth Ventricle.
4. Middle Cranial fossa.
5. Sternocleidomastoid.
6. Lingual Nerve.

III. Write short answer questions:

5 x 2 = 10 Marks

1. Name the blood vessels supplying thyroid gland.
2. Cardiac muscle.
3. Histology of an elastic artery.
4. Ciliary ganglion.
5. Neuron.

February 2011

[KY 701]

Sub. Code: 4168

FIRST B.D.S DEGREE EXAMINATION
(Regulations for the candidates admitted from 2008-09 onwards)
Paper I – GENERAL ANATOMY INCLUDING EMBRYOLOGY
AND HISTOLOGY
Q.P. Code: 544168

Time: Three hours

Maximum: 70 Marks

Answer **ALL** questions.

I. Essays:

(2 x 15 = 30)

1. a) Define “Para-nasal air sinuses”.
b) State the names of different air sinuses in the human body.
c) Describe the “Maxillary air sinus” under the following headings:
(i) Situation (ii) Boundaries (iii) Communication (iv) Neuro vascular supply (v) Applied anatomy.
2. Name the “Muscles of mastication”. Tabulate them under the following headings: (i) Origin (ii) Course (iii) Insertion (iv) Blood supply (v) Nerve supply and (vi) Action.

II. Short notes on:

(6 x 5 = 30)

1. Development of tooth.
2. Facial artery in the face.
3. Spheno – mandibular ligament.
4. Internal Jugular vein.
5. Inferior alveolar nerve.
6. Investing layer of deep cervical fascia.

III. Write short answer questions:

(5 x 2 = 10)

1. Name the para-sympathetic ganglia.
2. Draw the microscopic structure of “Hyaline cartilage” and name the parts.
3. Name the various taste buds in the tongue.
4. Cleft palate.
5. Facial colliculus – How its formed?

August 2011

[KZ 701]

Sub. Code : 4168

FIRST B.D.S. DEGREE EXAMINATION

GENERAL ANATOMY, HISTOLOGY AND EMBRYOLOGY

Q. P. Code : 544168

Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions

I. Essay Questions:

(2 x 20 = 40)

1. Write in detail about parotid gland under the following headings:

Situation, capsule, shape, relation, parotid duct, blood supply, nerve supply and applied anatomy.

2. Write in detail about larynx with reference to the extent, cartilages, ligaments, cavity, muscles, nerve supply and applied anatomy.

II. Write Short notes on :

(10 x 6 = 60)

1. Buccinator.
2. I part of maxillary artery.
3. Ciliary ganglion.
4. Lateral wall of nose.
5. Development of face.
6. Histology of pituitary.
7. Facial artery.
8. Carotid sheath.
9. Nerve supply of scalp.
10. Soft palate.

February 2012

[LA 652]

Sub. Code: 4168

FIRST B.D.S. DEGREE EXAMINATION

PAPER I – GENERAL ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

Q.P. Code: 544168

**Time : 3 hours
(180 Min)**

Maximum : 70 marks

**Answer ALL questions in the same order.
Draw Suitable diagrams wherever necessary**

I. Elaborate on:

(2 x 10 = 20)

1. Enumerate the muscles of facial expression

Describe the origin, insertion, nerve supply, action, development and applied anatomy of Buccinator and orbicularis oculi.

2. Describe the Facial nerve under the following headings :

Nucleus, Functional components, Course Branches, distribution, and applied aspects.

II. Write notes on:

(10 x 5 = 50)

1. Cervical part of brachial plexus and its applied anatomy

2. Septum of nose

3. Histology of retina

4. Ligaments of atlanto axial joint

5. Oogenesis

6. Circle of Willis

7. Fornix

8. Epiphysis

9. Nerve supply and actions of extra ocular muscles

10. Pharyngotympanic tube

[LB 652]

AUGUST 2012

Sub. Code: 4168

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

Q .P .Code: 544168

Time : 180 Minutes

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|--|----|----|----|
| 1. Describe the situation, subdivisions, relations, blood supply, histology, applied anatomy and development of thyroid gland. | 19 | 30 | 20 |
| 2. Describe the commencement, course, relations, branches, distribution and applied anatomy of mandibular nerve. | 19 | 30 | 20 |

II. Write notes on:

- | | | | |
|----------------------------------|---|----|---|
| 1. Anterior facial vein. | 3 | 10 | 5 |
| 2. Hyoglossus muscle. | 3 | 10 | 5 |
| 3. Spinal accessory nerve. | 3 | 10 | 5 |
| 4. Sphenopalatine ganglion. | 3 | 10 | 5 |
| 5. Vocal cords. | 3 | 10 | 5 |
| 6. Histology of palatine tonsil. | 3 | 10 | 5 |
| 7. Ophthalmic artery. | 3 | 10 | 5 |
| 8. Lateral wall of nasal cavity. | 3 | 10 | 5 |
| 9. Internal capsule. | 3 | 10 | 5 |
| 10. Subarachnoid cisterns. | 3 | 10 | 5 |
| 11. Nerves of scalp. | 3 | 10 | 5 |
| 12. Fertilization. | 3 | 10 | 5 |

[LC 652]

FEBRUARY 2013

Sub. Code: 4168

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

Q.P.Code: 544168

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2x10=20)

1. Describe the origin, insertion, nerve supply and actions of the muscles acting on the temporomandibular joint and discuss the movements of the joint. Add a note on the development of the joint.
2. Describe the nucleus, course, relations, branches, distribution and applied anatomy of oculomotor nerve.

II. Write notes on:

(10x5=50)

1. Emissary veins.
2. Maxillary artery.
3. Extra cranial course of facial nerve.
4. Submandibular ganglion.
5. Falx cerebri.
6. Posterior cricoarytenoid muscle.
7. Histology of serous salivary gland.
8. Tympanic membrane.
9. Interpeduncular fossa.
10. Superolateral surface of cerebrum.

[LD 652]

AUGUST 2013

Sub. Code: 4168

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

Q .P .Code: 544168

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2x10=20)

1. Describe the face under following headings.
 - a) Development
 - b) Blood supply and lymphatic drainage
 - c) Motor and sensory nerve supply
 - d) Applied anatomy
2. Describe the vertebral artery under the following headings.
 - a) Development
 - b) Commencement
 - c) Course and relations
 - d) Branches
 - e) Applied anatomy.

II. Write notes on:

(10x5=50)

1. Movement of the temporo mandibular joint.
2. Sub arachnoid cirterns
3. Floor of the fourth ventricle
4. Vocal cord
5. Tectum of the mid brain
6. Hyoglossus muscle
7. Sub mandibular gland
8. Orbital fascia
9. Organ of Corti
10. First pharyngeal arch.

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

Q.P Code: 544168

Time: 180 Minutes

Maximum: 70 marks

ANSWER ALL QUESTIONS

I. Elaborate on:

(2X10=20)

1. Classify dural venous sinuses. Explain in detail the location, relations, structures present inside, connections, tributaries & applied aspects of Cavernous sinus.
2. List out the cartilages, ligaments & Muscles of larynx and add a note on its nerve supply.

II. Write Notes on:

(10X5=50)

1. Development of face
2. Histology of tooth
3. Mandibular nerve
4. Boundaries & contents of posterior triangle
5. Maxillary sinus
6. Features of medial wall of middle ear
7. Rhomboid fossa
8. Corpus callosum
9. Ophthalmic artery
10. Chorda Tympani nerve

[LF 652]

AUGUST 2014

Sub. Code:4168

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

Q.P Code: 544168

Time: 180 Minutes

Maximum: 70 marks

**Answer all questions in the same order
Draw suitable diagrams whenever necessary**

I. Elaborate on:

(2X10=20)

1. Describe the origin, insertion, nerve supply and actions of the extrinsic and intrinsic muscles of tongue. Add a note on their development. Discuss the applied anatomy.
2. Describe the situation, relations, tributaries, drainage, communications and applied anatomy of cavernous sinus.

II. Write Notes on:

(10X5=50)

1. Facial artery
2. Articular disc of temporomandibular joint
3. Otic ganglion
4. Levator palpebrae superioris muscle
5. Alveolar nerves
6. Cartilages of larynx
7. Histology of pituitary gland
8. Corpus callosum
9. Blood supply to spinal cord
10. Paranasal air sinuses

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

Q.P Code: 544168

Time: 180 Minutes

Maximum: 70 Marks

Answer all questions in the same order
Draw suitable diagrams whenever necessary

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

1. Classification of Dural Venous Sinuses and describe in detail about Cavernous Sinus in detail – its Location and Formation, Relations, Tributaries and Connections and add a note on its applied anatomy.
2. Lateral wall of Nose under the following Headings:
 - a) Bones forming it
 - b) Parts
 - c) Features
 - d) Nerve supply
 - e) Blood supply
 - f) Clinical Anatomy

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

1. Buccinator.
2. Floor of IV ventricle of brain.
3. Middle meningeal artery.
4. Name the muscles of tongue and their action.
5. Subdivisions of interior of Pharynx.
6. Structure of the eyeball and mention the layers of Retina.
7. Name the boundaries and contents of Middle Ear Cavity.
8. Draw a neat labeled diagram of pinna and add a note on its muscle and its innervations.
9. Maxillary nerve and its branches.
10. Structures within the Parotid gland.

[LH 652]

AUGUST 2015

Sub. Code: 4168

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

Q.P. Code: 544168

Time : Three Hours

Maximum : 70 marks

Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Define Para-nasal air sinuses, classify them, describe each sinus with relations, nerve supply and blood supply and add a note on its applied anatomy.
2. Describe in details about External carotid artery – its origin and termination, branches, relations and add a note on its applied anatomy.

II. Write notes on :

(10 x 5 = 50)

1. Articular disc of Temporo-mandibular joint.
2. Spinal cord.
3. I part of Maxillary artery.
4. Development of tongue.
5. Internal Jugular vein.
6. Secreto-motor pathway of parotid gland.
7. Lateral Rectus.
8. Waldeyer's ring.
9. Structure of Hyoid bone and muscle attachments.
10. Corpus callosum.

[LI 652]

FEBRUARY 2016

Sub. Code: 4168

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

Q.P. Code : 544168

Time : Three Hours

Maximum : 70 Marks

Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Parotid gland under the following headings:

- | | | |
|----------------------------|---------------|-----------------------|
| (a) Structure and Position | (b) Relations | (c) Structures within |
| (d) Nerve supply | (e) Histology | (f) Applied anatomy. |

2. Describe the Tongue under the following Headings:

- | | | |
|-----------------------|------------------------------|------------------|
| (a) External features | (b) Muscles | (c) Nerve supply |
| (d) Development | (e) Developmental anomalies. | |

II. Write Notes on:

(10 x 5 = 50)

1. Ligaments of Temporo-mandibular Joint and mention the parts of articular disc of the joint.
2. Name the constrictors of Pharynx and structures intervening between them.
3. Auriculo-temporal nerve.
4. Facial artery and its branches.
5. Formation and innervations of nasal septum.
6. Levator Palpebrae Superioris.
7. Ansa cervicalis.
8. Platysma and mention what is it a remnant of
9. Blood supply of Scalp.
10. Auditory tube.

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.

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. 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.

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 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.

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 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.

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 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.

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. 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.

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 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.

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 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.
