

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.

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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.

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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?

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**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.

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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

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[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 |

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[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.

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[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.

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**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

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[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

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**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.

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[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.

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[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.

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