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.
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. Diagastric Triangle.
2. Development of Tooth.
3. Floor of IVth Ventricle.
4. Middle Cranial fossa.
5. Sternocleidomastoid.

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.

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February 2011

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.
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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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.
10. Soft palate.
February 2012

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 occuli.

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. Oogenises

6. Circle of Willis

7. Fornix

8. Epiphysis

9. Nerve supply and actions of extra ocular muscles

10. Pharyngotympanic tube

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**I. Elaborate on:**

1. Describe the situation, subdivisions, relations, blood supply, histology, applied anatomy and development of thyroid gland.  
   
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2. Describe the commencement, course, relations, branches, distribution and applied anatomy of mandibular nerve.  
   
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**II. Write notes on:**

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

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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.
3. Extra cranial course of facial nerve.
4. Submandibular ganglion.
5. Falx cerebri.
6. Posterior cricoarytenoid muscle.
8. Tympanic membrane.
9. Interpeduncular fossa.
10. Superolateral surface of cerebrum.

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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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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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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:**

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:**

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.
10. Structures within the Parotid gland.
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.


5. Internal Jugular vein.


7. Lateral Rectus.

8. Waldeyer’s ring.


10. Corpus callosum.

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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.


5. Formation and innervations of nasal septum.


7. Ansa cervicalis.

8. Platysma and mention what is it a remnant of


10. Auditory tube.

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