

[KD 607] APRIL - 2001 Sub. Code : 4061

FIRST B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks  
for Sec. A & Sec. B. Section C : 30 marks

Answer Sections A and B in the same Answer Book.

Answer Section C in the Answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the nucleus, course, relations and the distribution of the mandibular nerve.

(2 + 3 + 5 + 5 = 15)

2. Describe the situation, relations, blood supply, structure and development of the Thyroid gland.

(1 + 4 + 3 + 4 + 3 = 15)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Development of the palate
- (b) Lingual artery
- (c) Circle of Willis
- (d) Palatopharyngeus muscle
- (e) Superior Orbital tissue
- (f) Middle meatus of the nose
- (g) Pharyngotympanic tube
- (h) Hyoid.

[KD 652] APRIL - 2001 Sub. Code : 4131

FIRST B.D.S. DEGREE EXAMINATION,

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours Maximum : 100 marks  
Two and a half hours Sec. A & Sec. B : 70 marks  
for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in the same Answer book.

Answer Section C in the Answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the articular surface, ligaments, nerve supply, relations and movements of the Temporomandibular joint. (2 + 3 + 2 + 3 + 5 = 15)
2. Describe the glossopharyngeal nerve under the following headings : (1 + 3 + 4 + 5 + 2 = 15)
  - (a) Nucleus
  - (b) Course
  - (c) Relations
  - (d) Branches
  - (e) Applied Anatomy.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
  - (a) Germ Disc
  - (b) Microscopic Anatomy of the thyroid gland
  - (c) Maxillary sinus
  - (d) Inferior alveolar nerve
  - (e) Nasal septum
  - (f) Movement of Vocal cord
  - (g) Derivatives of II<sup>nd</sup> Pharyngeal arch
  - (h) Development of tooth.

[KE 607] NOVEMBER - 2001 Sub. Code : 4061

FIRST B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours                      Maximum : 100 marks  
Two and a half hours                  Sec. A & Sec. B : 70 marks  
for Sec. A and Sec. B                  Section C : 30 marks

Answer Sections A and B in the same Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Give a detailed account of the Tempero-Mandibular Joint.
2. Describe the relations of the Hyo-glossus muscle with a suitable diagram.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
  - (a) Development of Tooth
  - (b) Maxillary artery (1st part)
  - (c) Deep cervical lymphnodes

- (d) Fornix
- (e) Lateral wall of the nose
- (f) Histology of hypophysis cerebri
- (g) Yolk Sac
- (h) Pretracheal fascia.

**[KE 652] NOVEMBER - 2001 Sub. Code : 4131**

**FIRST B.D.S. DEGREE EXAMINATION.**

**(Modified Regulations)**

**Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY**

**Time : Three hours                      Maximum : 100 marks**

**Two and a half hours                  Sec. A & Sec. B : 70 marks**

**for Sec. A & Sec. B.                      Section C : 30 marks**

**Answer Sections A and B in the same Answer Book.**

**Answer Section C in the Answer sheet provided.**

**SECTION A — (2 × 15 = 30 marks)**

- 1. Describe the position, relations, development and histology of the pituitary gland. (15)**
- 2. Describe the extra cranial course, relations and distribution of the facial nerve. (15)**

**SECTION B — (8 × 5 = 40 marks)**

- 3. Write short notes on :**
  - (a) Maxillary air sinus**
  - (b) Ciliary ganglion**
  - (c) Epiphysis**

**(d) Danger area of the face**

**(e) Ramus of the Mandible**

**(f) Rima glottidis**

**(g) Development of tooth**

**(h) Arch of aorta.**

SEPTEMBER - 2002

[KH 652]

Sub. Code : 4131

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B

Section C : 30 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the facial nerve after it emerges from the  
stylomastoid foramen under the following headings :

(3 + 4 + 6 + 2 = 15)

- (a) Course
- (b) Relations
- (c) Branches
- (d) Applied anatomy.

2. Describe the features of the lateral wall of the  
nose with its blood supply, nerve supply and applied  
anatomy. (7 + 3 + 3 + 2 = 15)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Microscopic anatomy of cornea
- (b) Development of Pituitary gland
- (c) Inferior constrictor of pharynx
- (d) Ansa cervicalis
- (e) Floor of the fourth ventricle
- (f) Lingual artery
- (g) Internal Jugular vein
- (h) Lymphatic drainage of the tongue.

[KI 652]

Sub. Code : 4131

SECTION B — (8 × 5 = 40 marks)

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours                      Maximum : 100 marks

Two and a half hours for              Sec. A & Sec. B : 70 marks  
Sec. A and Sec. B                      Section C : 30 marks

Answer Sections A and B in the **SAME** answer book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the situation, relations, tributaries, communications and applied anatomy of cavernous sinus. (2 + 3 + 5 + 3 + 2 = 15)

2. Describe the face under the following headings.

- (a) Nerve supply (sensory and motor)
- (b) Blood supply
- (c) Development
- (d) Applied anatomy. (4 + 4 + 5 + 2 = 15)

3. Write short notes on :

- (a) Facial sheath of Eye ball
- (b) Lateral pterygoid muscle
- (c) Vocal cord
- (d) Movements of temporo mandibular joint
- (e) Microscopic anatomy of Tonsil
- (f) Nasal septum
- (g) Development of teeth
- (h) Corpus callosum.

[KJ 652]

Sub. Code : 4131

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time : Three hours Maximum : 100 marks

Two hours and forty minutes

for Sec. A and Sec. B Sec. A & Sec. B : 80 marks

Twenty minutes for Sec. C Section C : 20 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

Answer **ALL** questions.

SECTION A — (2 × 15 = 30 marks)

1. Describe the parotid salivary gland under the following headings. (1 + 5 + 2 + 2 + 3 + 2 = 15)

- (a) Situation
- (b) Relations
- (c) Structures passing through
- (d) Histology
- (e) Nerve supply
- (f) Applied anatomy.

2. Describe in detail the attachments, structures passing through the gaps between, nerve supply and applied anatomy of constrictors of pharynx.

(6 + 4 + 3 + 2 = 15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

- (a) Inferior alveolar nerve
- (b) Interpeduncular fossa
- (c) Cricothyroid muscle
- (d) Neural crest
- (e) Superior orbital fissure
- (f) Development of pituitary gland
- (g) Vertebral artery
- (h) Microscopic structure of the Tonsil
- (i) Right atrium of heart
- (j) Floor of IV ventricle.

**AUGUST - 2004**

**[KL 652]**

**Sub. Code : 4131**

**SECTION B — (10 × 5 = 50 marks)**

**FIRST B.D.S. DEGREE EXAMINATION.**

**(Modified Regulations)**

**Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

**Time : Three hours                      Maximum : 100 marks**

**Sec. A & B : Two hours and              Sec. A & B : 80 marks  
forty minutes**

**Section C : Twenty minutes              Section C : 20 marks**

**Answer Sections A and B in the SAME Answer Book.**

**Answer Section C in the answer sheet provided.**

**SECTION A — (2 × 15 = 30 marks)**

**1. Describe the Tongue under the following headings :                      (2 + 3 + 3 + 3 + 4 =15)**

- (a) External features.**
- (b) Muscles.**
- (c) Nerve supply.**
- (d) Histology.**
- (e) Development.**

**2. Describe the origin, course, relations and branches of maxillary artery.                      (2 + 4 + 3 + 6 = 15)**

**3. Write short notes on :**

- (a) Tentorium cerebelli.**
  - (b) Ciliary ganglion.**
  - (c) Development of Palate.**
  - (d) Blood supply to heart.**
  - (e) Histology of Thyroid gland.**
  - (f) Tectum of Midbrain.**
  - (g) Sternocleido mastoid.**
  - (h) Pharyngo tympanic tube.**
  - (i) Umbilical cord.**
  - (j) Carotid sheath.**
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FEBRUARY - 2005

[KM 652]

Sub. Code : 4131

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and  
forty minutes

Sec. A & B : 80 marks

Sec. C : Twenty minutes

Sec. C : 20 marks

Answer Sections A and B in the SAME answer book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

1. Describe in detail the parts, relations and mode of termination of Submandibular Salivary Gland. Add a note on its secretomotor pathway and Blood supply.

(2 + 5 + 2 + 4 + 2)

2. Describe the "Larynx" under the following headings.

- (a) Frame work (5)
- (b) Movements (3)
- (c) Muscles acting (5)
- (d) Blood supply (1)
- (e) Nerve supply (1)

SECTION B — (10 × 5 = 50 marks)

3. Short notes on:

- (a) Carotid sheath
- (b) Histology of palatine tonsil
- (c) Development of face
- (d) Sigmoid sinus
- (e) Nasal Septum
- (f) Orbicularis Oculi
- (g) Falx Cerebri
- (h) Platysma
- (i) Structures passing through foramen ovale
- (j) Tympanic membrane.

AUGUST - 2005

[KN 652]

Sub. Code : 4181

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours                      Maximum : 100 marks

Sec. A & B : Two hours and              Sec. A & B : 80 marks  
forty minutes

Sec. C : Twenty minutes                      Sec. C : 20 marks

Answer Sections A and B in the SAME answer book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

1. Describe the situation, relations, tributaries, communications and applied anatomy of cavernous sinus. (2 + 3 + 5 + 3 + 2)

2. Describe the origin, course, relations, branches, distribution and applied anatomy of maxillary division of Trigeminal nerve. (2 + 3 + 4 + 4 + 2)

SECTION B — (10 × 5 = 50 marks)

3. Short notes on :
- (a) Development of Tooth
  - (b) Derivatives of 2<sup>nd</sup> pharyngeal arch
  - (c) Superior orbital fissure
  - (d) Brain stem
  - (e) Lateral pterygoid muscle
  - (f) Superolateral surface of cerebral hemisphere
  - (g) Lingual artery
  - (h) Vocal cord and its movements
  - (i) Pharyngo tympanic tube
  - (j) Microscopic structure of serous salivary gland.

FEBRUARY - 2006

[KO 652]

Sub. Code : 4131

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours                      Maximum : 100 marks

Sec. A & B : Two hours and              Sec. A & B : 80 marks  
forty minutes

Section C : Twenty minutes              Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

1. Describe the attachments, relations, actions and nerve supply of muscles of mastication. (4 + 5 + 4 + 2)
2. Describe in detail the situation, parts relations, blood supply and development of Thyroid gland. (2 + 2 + 5 + 3 + 3)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :
  - (a) Development of tongue
  - (b) Ciliary ganglion

- (c) Auditory tube
  - (d) Maxillary sinus
  - (e) Interpeduncular fossa
  - (f) External jugular vein
  - (g) Histology of retina
  - (h) Middle constrictor of pharynx
  - (i) Facial artery
  - (j) Inferior Alveolar Nerve.
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AUGUST - 2006

[KP 652]

Sub. Code : 4131

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours

Maximum : 100 marks

Descriptive : Two hours and  
forty minutes

Descriptive : 80 marks

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

Write essays on :

1. Classify dural venous sinuses and enumerate them. Write in detail about cavernous sinus and its applied anatomy. (1 + 4 + 10 + 5)
2. Describe in detail the situation, relations, nerve supply and applied anatomy of parotid salivary gland. (3 + 6 + 3 + 3)
3. Describe the course, relations, branches and applied anatomy of Mandibular nerve. (3 + 5 + 5 + 2)

4. Write short notes on :

(6 × 5 = 30)

- (a) Circle of Willis
  - (b) Ophthalmic artery
  - (c) Development of thyroid gland
  - (d) Histology of tooth
  - (e) Nasopharynx
  - (f) Inlet of Larynx.
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FEBRUARY - 2007

[KQ 652]

Sub. Code : 4181

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Time : Three hours                      Maximum : 100 marks

Descriptive : Two hours and  
forty minutes                      Descriptive : 80 marks

Objective : Twenty minutes                      Objective : 20 marks

Answer ALL questions.

1. Describe the Tongue under the following headings.

- (a) Muscles attachments
- (b) Relations
- (c) Action
- (d) Nerve Supply
- (e) Development                      (7 + 3 + 3 + 5 + 2 = 20)

2. Describe the articular surfaces, ligaments, relations, Nerve supply and movements of Temporomandibular Joint.                      (2 + 5 + 3 + 1 + 4 = 15)

3. Describe the features in the Lateral wall of Nasal Cavity, its blood supply, Nerve supply and applied anatomy.                      (8 + 2 + 2 + 3 = 15)

4. Write short notes on :                      ( 6 × 5 = 30)

- (a) Derivatives of Hind Pharyngeal arch.
- (b) Development of Tooth.
- (c) Microscopic structure and development of Tonsil.
- (d) Tympanic Membrane.
- (e) Internal Carotid artery.
- (f) Attachments and movements of vocal cord.

**AUGUST 2007**

**[KR 652]**

**Sub. Code : 4131**

**FIRST B.D.S. DEGREE EXAMINATION.**

**(Modified Regulations)**

**Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY**

**Time : Three hours                      Maximum : 100 marks**

**Descriptive : Two hours and              Descriptive : 80 marks  
forty minutes**

**Objective : Twenty minutes              Objective : 20 marks**

**Answer ALL questions.**

**I. Essays :                                      (2 × 15 = 30)**

**1. Describe the nucleus, course, relations, branches  
and applied anatomy of facial nerve.  
(2 + 3 + 3 + 4 + 3 = 15)**

**2. Describe the Extent, Subdivision, muscles, blood  
supply and nerve supply of pharynx.  
(2 + 2 + 6 + 2 + 3 = 15)**

**II. Write short notes on :                      (10 × 5 = 50)**

- (a) Maxillary air sinus.**
- (b) Movements of Temporomandibular Joint.**
- (c) Floor of IV<sup>th</sup> ventricle.**
- (d) Nerve supply of upper Jaw Teeth.**
- (e) Emissary vein.**
- (f) Sternocleidomastoid.**
- (g) Development of parathyroid**
- (h) Blood supply and nerve supply of Larynx**
- (i) Microscopic structure of Thymus.**
- (j) Microscopic structure of submandibular  
salivary gland.**

FEBRUARY 2008

[KS 652]

Sub. Code : 4131

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations – III)

Paper I — HUMAN ANATOMY, HISTOLOGY AND  
EMBRYOLOGY

Q.P. Code : 544131

Time : Three hours                      Maximum : 100 marks

Descriptive : Two hours and      Descriptive : 80 marks  
forty minutes

Objective : Twenty minutes      Objective : 20 marks

Answer ALL questions.

I. Essays :                                      (2 × 15 = 30)

1. Describe the features of the lateral wall of nose and write its blood supply, nerve supply, lymphatic drainage and applied anatomy of lateral wall of nasal cavity.                                      (6 + 2 + 2 + 2 + 3)

2. Describe the temporo-mandibular joint under the following headings.

(a) Articular surfaces

(b) Ligaments.

(c) Nerve supply.

(d) Movements.

(e) Muscles acting.                                      (2 + 4 + 2 + 2 + 5)

II. Write short notes on :                                      (10 × 5 = 50)

1. Emissary vein.

2. Buccinator muscle.

3. Microscopic structure of thyroid gland.

4. Superior sagittal sinus.

5. Blood supply of scalp.

6. Internal Jugular vein.

7. Inferior Alveolar nerve.

8. Hyoid.

9. Development of oral cavity.

10. Corpus callosum.

August 2008

[KT 652]

Sub. Code: 4131

**FIRST B.D.S DEGREE EXAMINATION**

**(Modified Regulations – III)**

**Paper I – HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

***Q.P. Code: 544131***

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**I. Essays:**

**2 x 20 = 40 Marks**

1. Describe the Tongue under the following Headings:-
  - a. Muscles
  - b. Nerve Supply
  - c. Lymphatic Drainage
  - d. Development
2. Describe the Surfaces, Borders, Capsule, Relations, Structures and Nerve Supply of Parotid Gland.

**II. WRITE SHORT NOTES ON:**

**10 X 6 = Marks**

1. Lingual Nerve
2. I Part of Maxillary Artery
3. Otic Ganglion
4. Oblique Muscles of Eyeball
5. Structure of Palatine Tonsil
6. Nasal septum
7. Tentorium Cerebelli
8. Inferior Constrictor of Pharynx
9. Derivatives of II (Second) Pharyngeal Arch
10. Corpus Callosum.



February 2009

[KU 652]

Sub. Code : 4131

**FIRST B.D.S DEGREE EXAMINATION**

**(Modified Regulations – III)**

**Paper I – HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

**Q. P. Code : 544131**

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

**I. Essays :** **(2 x 20 = 40)**

1. Describe the course, relations and branches of Mandibular Nerve.
2. Describe the Thyroid Gland under the following headings:

Position  
Relations  
Blood Supply  
Histology  
Development

**II. Write Short notes on :** **(10 x 6 = 60)**

1. Histology of Palatine Tonsil.
2. External Jugular Vein.
3. Submandibular Ganglion.
4. Development of Tongue
5. Facial Artery.
6. Nasal Septum.
7. Orbicularis Oculi.
8. Maxillary sinus.
9. Structure of Tooth.
10. Tympanic Membrane .

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August 2009

[KV 652]

Sub. Code : 4131

**FIRST B.D.S DEGREE EXAMINATION**

**(Modified Regulations – III)**

**Paper I – HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

**Q. P. Code : 544131**

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

**I. Essays :** **(2 x 20 = 40)**

1. Draw a labeled diagram of an adult tooth (Longitudinal section). Also give a brief account of dental innervation.
2. Describe the gross and microscopic anatomy of parotid gland. Add a note on its applied anatomy.

**II. Write Short notes on :** **(10 x 6 = 60)**

1. Contents of the middle ear.
2. Development of tongue.
3. Corpus callosum.
4. Usual eruption and shedding timings of deciduous teeth.
5. Maxillary air sinus.
6. Danger area of the face.
7. Blood supply of thyroid gland.
8. Periodontal ligament.
9. Temporomandibular joint.
10. Tympanic membrane.

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February 2010

[KW 652]

Sub. Code : 4131

**FIRST B.D.S DEGREE EXAMINATION**

**(Modified Regulations – III)**

**Paper I – HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

**Q. P. Code : 544131**

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

**I. Essays :**

**(2 x 20 = 40)**

1. Describe the tongue under the following headings:

- a) Its muscles
- b) Blood supply
- c) Nerve supply
- d) Lymphatic drainage.

2. Describe the temporomandibular joint and its movements.

**II. Write Short notes on :**

**(10 x 6 = 60)**

1. Tympanic membrane.
2. Choroid coat of eye ball.
3. Cavernous sinus.
4. Posterior belly of digastric.
5. Structure of the mixed salivary gland.
6. Third part of the vertebral artery.
7. Structure of tooth.
8. Middle meatus of the nasal cavity.
9. Contents of the middle ear.
10. Periodontal ligament.

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August 2010

[KX 652]

Sub. Code: 4131

**FIRST B.D.S DEGREE EXAMINATION**

**(Modified Regulations – III)**

**Paper I – HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

*Q.P. Code: 544131*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL Questions**

**I. Essays:**

**2 x 20 = 40 Marks**

1. Describe the origin, course, relations, branches and termination of external Carotid Artery.
2. Describe the relations, tributaries, communications and applied anatomy of Cavernous Sinus.

**II. Write Short Notes on:**

**10 x 6 = 60 Marks**

1. Lateral pterygoid muscle.
2. Surgical anatomy of scalp.
3. Lingual nerve.
4. Superior orbital fissure.
5. Derivatives of Second pharyngeal arch.
6. Floor of IVth ventricle.
7. Microscopic structure of submandibular salivary gland.
8. Septum of Nose.
9. Movements of vocal cord.
10. Movements of Eyeball.

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February 2011

[KY 652]

Sub. Code : 4131

**FIRST B.D.S. DEGREE EXAMINATION.**

**(Modified Regulations — III)**

**Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

*Q.P. Code : 544131*

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

**I. Essays :** **(2 x 20 = 40)**

1. Describe in detail the lateral wall of the nasal cavity under the following headings:  
Formation, mucous lining, features, blood supply, nerve supply, lymphatic drainage and applied anatomy.
2. Give an account of the nuclei of origin, emergence, course, relations, branches of distribution and applied anatomy of mandibular nerve.

**II. Write short notes on :** **(10 x 6 = 60)**

1. Boundaries and content of carotid triangle.
  2. Hyoid arch.
  3. Microscopic anatomy of the palatine tonsil.
  4. Digastric muscle.
  5. Chorda Tympani nerve.
  6. Corpus callosum.
  7. Otic ganglion.
  8. Oblique muscles of the eye ball.
  9. Development of the palate.
  10. Cricoid cartilage.
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August 2011

[KZ 652]

Sub. Code : 4131

**FIRST B.D.S. DEGREE EXAMINATION**

**HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

*Q. P. Code : 544131*

**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: 4131

**FIRST B.D.S. DEGREE EXAMINATION**

**PAPER I – HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

*Q.P. Code: 544131*

**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. Describe the pituitary gland under the following headings.  
Definition, situation, relations, parts, sub divisions, development  
microscopic anatomy, hormone.
2. Define pharynx, its extent, sub – division, Describe in detail about the  
nasopharynx.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Neural crest cells and its derivatives.
2. Pterygopalatine fossa.
3. Cervical sympathetic chain.
4. Ophthalmic artery
5. Histology of salivary glands.
6. Corpus, callosum and its extension.
7. Define sutures, classify give examples.
8. Define Pneumatic bones, its functions, describe maxillary sinus.
9. Tympanic membrane.
10. Ligaments of larynx.

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[LB 652]

AUGUST 2012

Sub. Code: 4131

**FIRST YEAR B.D.S. DEGREE EXAM**

**PAPER – I HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY**

*Q .P .Code: 544131*

**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: 4131

FIRST YEAR B.D.S. DEGREE EXAM

PAPER – I HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

*Q.P.Code: 544131*

**Time : 180 Minutes**

**Maximum : 70 marks**

**I. Elaborate on:**

**(2x10=20)**

1. Describe the origin, insertion, nerve supply and action of muscles of mastication.
2. Describe the location, parts, coverings, relations, blood supply and histology of thyroid gland.

**II. Write notes on:**

**(10x5=50)**

1. Cavernous sinus
2. Spinal cord
3. Ciliary ganglion
4. Maxillary artery
5. Development of tooth
6. Histology of hyaline cartilage
7. Constrictors of pharynx
8. Soft palate
9. Hypoglossal nerve
10. Boundaries and contents of carotid triangle.

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[LE 652]

FEBRUARY 2014

Sub. Code:4131

**FIRST YEAR B.D.S. DEGREE EXAM  
PAPER I – HUMAN ANATOMY, HISTOLOGY  
AND EMBRYOLOGY  
*Q.P Code: 544131***

**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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