APRIL - 1990

FIRST B.D.S. EXAMINATION, APRIL 1990

HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Three hours

Maximum: 100 marks

(i) SIX questions to be answered.
(ii) QUESTIONS 1 and 5 are compulsory.
(iii) Of the remaining questions, answer any FOUR.
(iv) Draw diagrams wherever necessary.

1. Describe in detail the course, relations, communications, distribution and applied aspects of the lingual nerve. (18 marks)

2. Discuss any two of the following:
   (a) Sphincter and dilator of the lips.
   (b) Muscles of the styloid apparatus.
   (c) Depressors of the tongue. (2×8=16 marks)

3. Write short notes on any four of the following:
   (a) Lateral pharyngeal space.
   (b) Extra cranial communications of the cavernous sinus.
7. Write short notes on any four of the following:
   (a) External acoustic meatus.
   (b) Articular disc of the temporomandibular joint.
   (c) Superior cervical ganglion.
   (d) Epiglottis.
   (e) Sensory innervation of the face.
   
   \[(4 \times 4 = 16 \text{ marks})\]

8. Write short notes on any four of the following:
   (a) Palatine aponeurosis.
   (b) Oral diaphragm.
   (c) Branchial clefts.
   (d) Superior vena cava.
   (e) Papillae of the tongue.
   
   \[(4 \times 4 = 16 \text{ marks})\]
First B.D.S. Degree Examination, October 1990.

Paper I — Human Anatomy, Histology and Embryology

Time: Three hours. Maximum: 100 marks.

1. Six questions to be answered.

2. Questions No. 1 and 5 are compulsory.

3. Of the remaining questions answer any Four.

4. Illustrate your answer with suitable diagrams.

1. What is the structure of the soft palate? Describe its blood supply, nerve supply and lymphatic drainage. Briefly describe the development of palate. (18 marks)

2. Describe any two of the following:

   (a) Nasopharynx.

   (b) Innervation of the upper and lower jaw.

   (c) Gustatory apparatus. (2 x 8 = 16 marks)
3. Write short notes on any four of the following:
   (a) Retropharyngeal space.
   (b) Trigeminal ganglion.
   (c) Histological structure of the tonsil.
   (d) Lingual thyroid.
   (e) Tubotympanic recess. \((4 \times 4 = 16\) marks\)

4. Write short notes on any four of the following:
   (a) Laryngeal inlet.
   (b) Anterior jugular vein.
   (c) Eruption of tooth.
   (d) Middle meatus of the nasal cavity.
   (e) Lymphatic drainage of the tongue. \((4 \times 4 = 16\) marks\)

5. Describe the anatomy of the submandibular salivary gland. Trace its parasympathetic innervation. Add a note on its histological structure. \((18\) marks\)

6. Discuss any two of the following:
   (a) Protractors of the mandible.
   (b) Elevators of the upper lip.
   (c) Sternocleidomastoid muscle. \((2 \times 8 = 16\) marks\)

7. Write short notes on any four of the following:
   (a) Mucosal folds attached to the tongue.
   (b) Relations of the maxillary antrum.
   (c) Suboccipital nerve.
   (d) Motor speech area of the cerebrum.
   (e) Histology of the distributing artery. \((4 \times 4 = 16\) marks\)

8. Write short notes on any four of the following:
   (a) Sialogram of the parotid duct.
   (b) Inferior constrictor of the pharynx.
   (c) Pterygoid venous plexus.
   (d) First part of the maxillary artery.
   (e) Cervical part of the thoracic duct. \((4 \times 4 = 16\) marks\)

Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Three hours. Maximum: 100 marks.

Sections A and B should be answered in separate answer-books.

Illustrate your answers with suitable diagrams.

SECTION A — (50 marks)

Answer Question No. 1 and TWO others.

1. Describe the anatomy of the submandibular salivary gland including its relations and nerve supply. (18 marks)

2. Describe the relations of any two of the following:
   (a) Parotid salivary gland.
   (b) The tonsil.
   (c) Maxillary air sinus. (2×8=16 marks)

3. Write short notes on any four of the following:
   (a) Superior constrictor of the pharynx.
   (b) Ophthalmic veins.
   (c) Ramus of the mandible.
   (d) Microscopic appearance of bone.
   (e) Development of tongue. (4×4=16 marks)
4. Write short notes on any four of the following:
   (a) Buccinator.
   (b) Retromandibular vein.
   (c) Pterygoid process.
   (d) Microscopic appearance of hyaline cartilage.
   (e) Development of upper lip and anomalies.
   \((4 \times 4 = 16 \text{ marks})\)

SECTION B (50 marks)

Answer Question No. 5 and TWO others.

5. Describe the anatomy of the nasal cavity.
   \((18 \text{ marks})\)

6. Give a brief account of any two of the following:
   (a) Medial wall of middle ear.
   (b) Medial wall of the orbit.
   (c) Nasopharynx.
   \((2 \times 8 = 16 \text{ marks})\)

7. Write short notes on any four of the following:
   (a) Sternomastoid muscle.
   (b) Sensory and motor nerve supply of the palate.
   (c) Left atrioventricular (mitral or bicuspid) orifice.
   (d) Microscopic appearance of the tongue.
   (e) Cartilage of the second pharyngeal arch.
   \((4 \times 4 = 16 \text{ marks})\)

8. Write short notes on any four of the following:
   (a) Mylohyoid nerve.
   (b) Nerve supply of the tongue.
   (c) Left recurrent laryngeal nerve.
   (d) Microscopic appearance of the trachea.
   (e) Yolk sac.
   \((4 \times 4 = 16 \text{ marks})\)

Anatomy

Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Two and a half hours. Maximum: 60 marks.

SECTION A

1. Give an account of the nasal part of the pharynx.

2. Name the parts of the brachial plexus. Give an account of the parts found in the neck.

   \[2 \times 15 = 30 \text{ marks}\]

SECTION B

3. Write briefly on the following:
   (a) Epiphysis.
   (b) Development and microscopic anatomy of the palatine tonsil.
   (c) Lateral geniculate body.
   (d) Inferior alveolar nerve.
   (e) Lymphatic drainage and nerve supply of the tongue.
   (f) Sternoceleidomastoid.

   \[6 \times 5 = 30 \text{ marks}\]

Paper 1 — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Two and a half hours. Maximum: 60 marks.

Answer Sections A and B in separate answer books.

SECTION A — (30 marks)

1. Discuss the role of the intrinsic muscles of the larynx.

2. Describe the origin, course, relations, branches and termination of the lingual artery. (2x15=30 marks)

SECTION B — (30 marks)

Write briefly on the following:

1. Fertilization.

2. Medial wall of the middle ear cavity.

3. Lacrimal apparatus.

4. Microscopic anatomy of the pituitary gland.

5. Blood and nerve supply of the nasal septum.

6. Development of the tooth. (6x3=18 marks)
APRIL - 1993
FIRST B.D.S. DEGREE EXAMINATION.
(Old Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Three hours Maximum: 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

1. (a) Describe in detail about the nuclear origin, attachment, course, relations and termination of Abducent Nerve. (2 + 2 + 4 + 5 + 2 = 15)
   (b) Add a note on the effects of lesions of that nerve at various levels. (5)

2. Write short notes on: (3 x 5 = 15)
   (a) Inferior belly of Omohyoid.
   (b) Development of pituitary gland.
   (c) Sub-occipital nerve.

3. Write brief notes on: (3 x 5 = 15)
   (a) Auditory tube.
   (b) Structure of Liver.
   (c) Quadrate membrane of Larynx.

4. (a) Describe in detail about the position, relations, blood supply and secretomotor pathway of the Parotid Gland. (2 + 4 + 2 + 4 = 12)
   (b) Add a note on its structure (histology) and development. (5 + 3 = 8)

5. Write short notes on: (3 x 5 = 15)
   (a) Scalene Anterior Muscle.
   (b) Development of Subclavian Artery on both sides.
   (c) Ansa Cervicalis.

6. Write brief notes on: (3 x 5 = 15)
   (a) Nasal Septum.
   (b) Histology of kidney.
   (c) Styloid Apparatus.

Anatomy

Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Three hours
Two and a half hours

Maximum: 90 marks
Section A and B: 60 marks

for Sections A and B

Answer Sections A and B in separate answer books.
Answer Section C in the answer sheet provided.

SECTION A — (2 x 15 = 30 marks)

1. Write briefly on the Submandibular salivary gland, its relations, blood supply and secretomotor nerve supply.

2. Describe the formation and distribution of the Cervical plexus of nerves.

SECTION B — (6 x 5 = 30 marks)

3. Write short notes on:

   (1) Venous drainage of the face.
   (2) Microscopic structure of bone.
   (3) Development of the thyroid gland.
   (4) Buccinator muscle.
   (5) First part of maxillary artery.
   (6) Soft palate.
FIRST B.D.S. DEGREE EXAMINATION
(Old Regulations)

PAPER-I HUMAN ANATOMY HISTOLOGY AND EMBRYOLOGY

Time: Three Hours
Max. Marks: 100

SIX Questions to be answered
Questions No. 1 and 2 are compulsory
Of the remaining questions answer any FOUR
Illustrate your answer with suitable diagrams

1. Give an account of the position, relations, blood supply, microscopic structure and development of the palatine tonsil. (18)

2. Describe the middle ear and its development. (18)

3. Describe any two of the following: (2x8=16)
   a) Muscles of the soft palate
   b) Depressors of the temporo-mandibular joint
   c) Infrahyoid muscles

4. Write short notes on any four of the following: (4x4=16)
   a) Right recurrent laryngeal nerve
   b) Histology of Parotid gland
   c) Foramen cecum
   d) Ciliary ganglion
   e) Third part of vertebral artery

Discuss any two of the following: (2x8=16)
   a) Blood supply of thyroid gland
   b) Nerve supply of teeth
   c) Pharyngeal pouches

6. Write short notes on any four of the following: (4x4=16)
   a) Condylar process
   b) Vallate papillae
   c) Prevertebral fascia
   d) Retina
   e) Nucleus pulposus

7. Write short notes on any four of the following: (4x4=16)
   a) Sphenomandibular ligament
   b) Histology of oesophagus
   c) Broncho pulmonary segment
   d) Superficial temporal artery
   e) Parotid duct.
APRIL - 1995

[SB 527]

First B.D.S. Degree Examination
(New Regulations)

Paper I—HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Three hours Maximum: 90 Marks

Two and half hours Sec. A and B: 60 marks
for Section A and B

Answer Sections A and B in separate answer books
Answer Section C in the answer sheet provided

SECTION—A (2×15 = 30)

1. Describe the blood supply of the superolateral surface of the cerebrum and give its clinical importance.

2. Name the extrinsic muscles of the eye ball. Give their origin, insertion, nerve supply and action.

SECTION B

3. Write short notes on:

a. Dental innervation
b. Microscopic section of the Parotid gland
c. Cleft Palate
d. Rima Glottidis
e. Deep cervical group of lymph nodes
f. Articular disc of temporomandibular joint
First B.D.S. Degree Examination
(Revised Regulations)

Paper I—HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Three hours    Maximum: 100 Marks
Section C: 20 minutes    Section A and B: 70 marks

Answer sections A and B in separate answer books
Answer Section C in the answer sheet provided

SECTION—A

1. Describe the dorsal surface of the tongue and its epithelial innervation. How do you correlate innervation of epithelium to its development. (15)

2. Describe the Cavernous sinus under following headings
   1. Situation
   2. Extent
   3. Relations
   4. Tributaries
   5. Communications

3. Write short notes on: (40)
   a. Digastric muscle
   b. Structure of a spermatozoon
   c. External jugular vein
   d. Secretory motor supply to the parotid gland
   e. Development of the hypophysis cerebri
   f. Parotid duct
   g. Lingual nerve
   h. Auditory tube
FIRST B.D.S. DEGREE EXAMINATION
(New Regulations)
Paper-I HUMAN ANATOMY, HISTOLOGY
AND EMBRYOLOGY

Time: Three hours            Max: 90 marks
Two and a half hours  Sec.A & B: 60
for Sec. A and B  marks

Answer section A and B in
separate answer books

Answer section C in the
answer sheet provided

SECTION - A  (2x15=30)

1. Describe the temporomandibular  (15)
joint under the following headings:
a) Type of joint
b) Capsule and ligaments.
c) Movements.
d) Actions of Muscles acting
   on the joint.

2. Name the air sinuses and write their
   importance. Describe the maxillary
   air sinus.    (15)

SECTION - B  (6x5=30)

3. Write short notes on:
a) Inferior alveolar nerve.
b) Submandibular lymph nodes.
c) Microscopic structure of tonsil.
d) Superior orbital fissure.
e) Buccinator muscle.
f) Facial artery.

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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 and B: 70 marks
for Section A and B

Answer Sections A and B in separate answer books.
Answer Section C in the answer sheet provided.

SECTION - A  (2x15 = 30)

1. Give an account of the internal capsule of the brain and its applied anatomy. (15)

2. Describe the Thyroid gland under the following headings. (15)
   a) Position and relations
   b) Blood supply
   c) Histology
   d) Development

SECTION - B  (8x5 = 40)

3. Write short notes on:
   a) Eruption of permanent teeth
   b) Lacrimal apparatus
   c) 3rd part of vertebral artery
   d) Lateral wall of the nasal cavity
   e) Posterior belly of the Digastric muscle
   f) Cornea
   g) Typical intercostal nerve
   h) Temporal fascia
SECTION - B  
(6 x 5 = 30)

3. Write short notes on:
   a) Retina
   b) Maxillary Air Sinus
   c) Superior Thyroid artery
   d) Deep cervical group of Lymphnodes
   e) Precentral gyrus
   f) Dental lamina

SECTION - A  
(2 x 15 = 30)

1. Describe the parotid gland under the following headings:
   a) Gross Anatomy
   b) Blood supply and Nerve supply
   c) Histology
   d) Development

2. Give an account of the floor of IV ventricle of the brain
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

Sections A and B : 70 marks

for Sec. A and B

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 x 15 = 30 marks)

1. Describe the blood supply of the cerebrum under the following headings:
   (a) Main Arterial Trunks.
   (b) Circle of Willis.
   (c) Central Arteries.
   (d) Cortical Arteries.

2. Describe the Tongue under the following headings:
   (a) Gross Anatomy.
   (b) Histology.
   (c) Blood supply and Nerve supply.
   (d) Development.

SECTION B — (8 x 5 = 40 marks)

3. Write short notes on:
   (a) Dental innervation
   (b) Tympanic membrane
   (c) Prevertebral fascia
   (d) Sphenomandibular ligament
   (e) Palatine tonsil
   (f) Vocal folds
   (g) Submandibular ganglion
   (h) Ramus of Mandible.
OCTOBER - 1997

FIRST B.D.S. DEGREE EXAMINATION
(New Regulations)

PAPER-I HUMAN ANATOMY HISTOLOGY
AND EMBRYOLOGY

Time: Three hours
Two and a half hours
for Sec. A and B

Max: 90 marks
Sec. A&B: 60 marks

Answer Sections A and B in separate answer books

Answer Section C in the answer sheet provided

SECTION-A (2x15=30)

1. Describe the cavernous sinus under the following headings:
   a) relations of the walls of sinus
   b) structures in the lateral wall
   c) structures passing through the sinus
   d) tributaries
   e) applied anatomy

2. Enumerate the muscles of facial expression that are supplied by the facial nerve. Describe the attachments, relations and actions of buccinator muscle. What are the effects seen in case of paralysis of buccinator muscle.

SECTION-B (6x5=30)

3. Write short notes on:
   a) Development of mandible
   b) Hypoglossal nerve
   c) Histology of liver
   d) Pterygo palatine fossa
   e) Cervical part of brachial plexus
   f) Internal carotid artery

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FIRST B.D.S. DEGREE EXAMINATION

(New/Revised Regulations)

Paper I — HUMAN ANATOMY HISTOLOGY AND EMBRYOLOGY

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

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

**For Sec. A and Sec. B**

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

**SECTION A** — (2 x 15 = 30 marks)

Describe the extracranial course of facial nerve.

Describe the structure of tooth and give a brief outline of its development.

**SECTION B** — (8 x 5 = 40 marks)

Write short notes on:

(a) Lingual artery.

(b) Septum of nose.

(c) Internal Capsule.

(d) Relations of lateral surface of palatine tonsil.

(e) Tympanic membrane.

(f) Movements at atlanto-occipital joint.

(g) Microscopic structure of lymph node.

(h) Development of upper lip.
FIRST B.D.S. DEGREE EXAMINATION.
(Old/Revised/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 separate answer books.
Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)
1. Describe the extra ocular muscles of eyeball with
   respect of their attachments, action and nerve supply.
2. Describe in detail the course, relations, communications, distribution and applied aspects of lingual
   nerve.

SECTION B — (8 × 5 = 40 marks)
3. Write short notes on:
   (a) Foramen Magnum.
   (b) Hyoid Bone.
   (c) Maxillary Air Sinus.
   (d) Development of Palate.
   (e) Internal Carotid Artery.
   (f) Corpus callosum.
   (g) Nerve and blood supply of larynx.
   (h) Histology of retina.
FIRST B.D.S. DEGREE EXAMINATION,
(Old/Revised Regulations)
Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Time: Three hours
Two and a half hours
for Sec. A and Sec. B

Maximum: 100 marks
Sec. A & Sec. B: 70 marks
Section C: 30 marks

Answer Sections A and B in separate answer books.
Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the extrinsic muscles of tongue with respect to their attachments, action and nerve supply.

2. Describe in detail the muscles and cartilages of larynx.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on:
   (a) Fenestra vestibuli
   (b) Mandible
   (c) Ethmoidal air sinuses
   (d) Development of teeth
   (e) Maxillary artery
   (f) Floor of fourth ventricle
   (g) Blood supply of pituitary gland
   (h) Organ of corti.
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 separate answer books.
Answer Section C in the answer sheet provided.

SECTION A — (2 x 15 = 30 marks)
1. Describe the muscles of mastication with respect to their attachments, action and nerve supply.
2. Describe in detail the course, relations, communications, distribution and applied aspects of Hypoglossal nerve.

SECTION B — (8 x 5 = 40 marks)
3. Write short notes on:
   (a) Superior orbital fisure
   (b) Sphenoid bone
   (c) Frontal air sinus
   (d) Development of the salivary glands
   (e) Superficial temporal artery
   (f) Internal capsule
   (g) Nerve supply of infrahyoid muscles
   (h) Histology of parotid gland.
APRIL - 1999


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 separate answer books.
Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the Pharynx under the following headings:
   (a) Subdivisions of the cavity
   (b) Muscles
   (c) Nerve supply.

2. Describe the boundaries and contents of Carotid Triangle with a neat diagram. What are the effects seen in a case of damage to the Superior laryngeal nerve?

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on:
   (a) Development of pituitary gland
   (b) Norma lateralis
   (c) Facial nerve
   (d) Fascial sheath of Eyeball
   (e) Atlanto-occipital joint
   (f) Histology of the thick skin
   (g) Development of face
   (h) Histology of spleen.

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FIRST B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

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

Answer Sections A and B in separate Answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the coverings, relations, blood supply, development and microscopic structure of thyroid gland.

2. Describe the origin, course, distribution of and applied anatomy of facial nerve.

SECTION B — (8 × 5 = 40 marks)

1. Write short answers on:
   (a) Derivatives of first branchial arch
   (b) Notochord
   (c) Microscopic structure of tonsil
   (d) Pleural recesses
OCTOBER - 1999  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 separate answer books.
Answer Section C in the answer sheet provided.

SECTION A — (2 x 15 = 30 marks)
1. Describe temporo mandibular joint under the following headings:
   (a) Type of Joint and Bones taking part
   (b) Ligaments
   (c) Movements and the muscles producing them
   (d) Applied anatomy. (2 + 5 + 5 + 3 = 15)

2. Describe the course, relations and distribution of mandibular nerve. (5 + 5 + 5 = 15)

SECTION B — (8 x 5 = 40 marks)

3. Write short notes on:
   (a) Implantation
   (b) Microscopic structure of bone
   (c) Pericardium
   (d) Pterygopalatine ganglion

(e) Third ventricle
(f) Tympanic membrane
(g) Lingual Artery
(h) Septum of nose.
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  Sections A & B: 70 marks
for Sections A & B  Section C: 30 marks

Answer Sections A & B in separate Answer Books.
Answer Section C in Answer sheet provided.

SECTION A — (15 x 2 = 30 marks)

1. Describe the parotid gland under the following headings:
   (1 + 3 + 7 + 2 + 2 = 15)
   (a) Coverings.
   (b) Surfaces and borders.
   (c) Relations.
   (d) Intraglandular structures.
   (e) Nerve supply.

2. Describe the palatine Tonsil under the following headings:
   (1 + 5 + 2 + 2 + 3 + 2)
   (a) Position
   (b) Relations
   (c) Blood supply
   (d) Nerve supply
   (e) Microscopic anatomy
   (f) Applied anatomy.

SECTION B — (8 x 5 = 40 marks)

Write short notes on:
(a) Yolk sac
(b) Otic ganglion
(c) Lingual nerve
(d) Vocal cords
(e) Sterno cleidomastoid muscle
(f) Microscopic anatomy of pituitary gland
(g) Falx cerebri
(h) Tympanic membrane.
FIRST B.D.S. DEGREE EXAMINATION.
(Modified Regulations)

Paper 1 — 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 separate Answer books.
Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the cavernous sinus under the following headings: (2 + 7 + 4 + 2 = 15)
   (a) Position and extent
   (b) Relations
   (c) Tributaries
   (d) Applied Anatomy.

2. Describe the attachments, nerve supply and actions of the muscles of mastication, add a note on its development. (5 + 2 + 5 + 3)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on:
   (a) Fertilization
   (b) Microscopic anatomy of Palatine Tonsil
   (c) Carotid sheath
   (d) Buccinator muscle
   (e) Chorda tympani nerve
   (f) Facial artery
   (g) Middle meatus of nose
   (h) Brain stem.
1. Name the paranasal air sinuses. What are their functions? Describe the maxillary sinus. Add a note on its applied Anatomy. (3 + 3 + 6 + 3)

2. Describe the tongue under the following headings:
   (a) Muscles of the tongue
   (b) Sensory Nerve supply
   (c) Lymphatic drainage
   (d) Development. (6 + 3 + 3 + 3)

3. Write short notes on:
   (a) Thyroid Cartilage
   (b) I Pharyngeal arch
   (c) Anomalies in the development of the face
   (d) Haversian system
   (e) Oblique muscles of the eye-ball
   (f) Mention the structures passing through the parotid gland
   (g) Digastric triangle
   (h) Inferior alveolar nerve.
FIRST B.D.S. DEGREE EXAMINATION.
(Modified Regulations)

Paper I — HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

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

Answer Sections A and B in separate Answer Books.
Answer Section C in the Answer Sheet provided.

SECTION A — (2 x 15 = 30 marks)

1. Give an account of the lateral wall of the nasal cavity and add a note on its blood supply and nerve supply. (15)

2. Describe the fourth ventricle of the brain. (15)

SECTION B — (8 x 5 = 40 marks)

3. Write short notes on:
   (a) Posterior belly of the digastric muscle
   (b) Meiosis
   (c) Milk teeth
   (d) Lacrimal glands
   (e) Otic ganglion
   (f) Facial artery in the face
   (g) Carotid sheath
   (h) Nerve supply of the tongue