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(Printed Pages 4)

Roll No.....

B.D.S. I Prof.

5135(N)

**B.D.S. Supply & Main Examination,
Feb. 2016**

**Human Anatomy, Embryology, Histology &
Medical Genetics**

(BDS-01)

Time : Three Hours]

[Maximum Marks : 70

Note : Attempt all questions of Part-I and Part II.

Use Separate copy for Part-I and Part-II.

1. Describe the hypoglossal nerve under following headings: 8
 - (a) Functional components and origin.
 - (b) Course and relations
 - (c) Branches and distribution
 - (d) Applied Anatomy.
2. Describe briefly: 2×4=8
 - (a) Cavernous sinus
 - (b) Pterigopalatine ganglion
3. Write short notes on: 3×3=9
 - (a) Congenital anomalies of face

P.T.O.

(b) Movements of temporomandibular joint.

(c) Cervical plexus.

4. Write the correct answer of the following multiple choice question. $2 \times 5 = 10$

(a) Structure passing through foramen rotundum is.

(1) Mandibular nerve

(2) Maxillary nerve.

(3) Middle meningeal artery

(4) Lesser petrosal nerve.

(b) Nerve of 1st pharyngeal arch is

(1) Facial nerve

(2) Mandibular nerve

(3) Vagus Nerve

(4) Glossopharyngeal nerve.

(c) All the muscles of tongue are supplied by hypoglossal nerve except.

(1) Genioglossus

(2) Hyoglossus

(3) Palatoglossus

(4) Styloglossus

(d) Branches of vertebral artery in the cranial cavity except

(1) Meningial branch

(2) Post spinal artery

(3) Anterior spinal artery

(4) Thyrocervical trunk

(e) All are the muscles of mastication except.

(1) Temporalis

(2) Sternocleidomastoid

(3) Lateral pterygoid

(4) Medial pterygoid

Part-II

5. Describe the parotid gland under following headings: 8

(a) Coverings and presenting parts

(b) Structures passing through the gland

(c) Nerve supply

(d) Applied.

6. Describe briefly 2x4=8

(a) Nasopharynx

(b) Lymphatic drainage of tongue along correlation with the development of tongue

7. Write short notes on: 3x3=9

(a) Microanatomy of Tonsil.

(b) Movements of eye ball.

(c) Bell's palsy.

8. Write the correct answer of the following multiple choice question. 2x5=10

(a) Pseudostratified ciliated columnar epithelium is found in-

(1) Lung alveoli

(2) Trachea

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(21116)

Roll No.

B.D.S. I Prof.

5135(N)

**B.D.S. Supply & Main Examination,
November-2016**

**Human Anatomy, Embryology, Histology
& Medical Genetics**

(BDS-01)

Time : Three Hours] [Maximum Marks : 70

Note : Attempt **all** questions of Part-I and Part-II. Use separate copy for Part-I & Part-II.

Part-I

1. Describe Thyroid gland under the following headings with suitable diagrams: 8
(a) Location and features
(b) Relations and blood supply
(c) Development
(d) Applied Anatomy
2. Describe Tongue under following headings: 8
(a) Muscles of Tongue
(b) Nerve Supply
(c) Lymphatic drainage

P.T.O.

(d) Role in chewing and speech

3. Write short notes on: $3 \times 3 = 9$

(a) Development of face

(b) Otic ganglion

(c) Contents of Posterior Triangle

4. Write the correct answer of the following multiple choice question : $2 \times 5 = 10$

(i) Most common nerve block in dental practice-

(a) Lingual nerve

(b) Inferior alveolar nerve

(c) Mandibular nerve

(d) Mylohyoid nerve

(ii) Chief elevator of Jaw at TMJ is-

(a) Temporalis

(b) Masseter

(c) Buccinators

(d) Medial pterygoid

(iii) All are paired cartilage of Larynx except:

(a) Arytenoid

(b) Cricoid

(c) Corniculate

(d) Cuneiform

(iv) Anterior part of foramen magnum gives way to-

(a) Apical ligament of dens

- (b) Upper part of Cruciform ligament
- (c) Membrana Tectoria
- (d) All of the above
- (v) All are suprahyoid muscles except-
 - (a) Stylohyoid
 - (b) Mylohyoid
 - (c) Geniohyoid
 - (d) Omohyoid

Part-II

5. Describe the facial nerve under the following headings- 8
 - (a) Functional component and nuclei
 - (b) Course and Relations
 - (c) Branches and distribution
 - (d) Applied Anatomy
6. Describe the origin, insertion, actions and nerve supply of extra ocular muscles and its applied. 8
7. Write short notes on- 3×3=9
 - (a) Palatine Tonsil
 - (b) Styloid apparatus
 - (c) Microanatomy of parotid gland.
8. Write the correct answers of the following multiple choice question : 2×5=10
 - (i) The nerve of 2nd pharyngeal arch-
 - (a) Facial nerve

- (b) Mandibular nerve
- (c) Glossopharyngeal Nerve
- (d) Vagus nerve
- (ii) Arterial Supply of pharynx is from-
 - (a) Lingual artery & facial artery
 - (b) Lingual, facial & ascending pharyngeal artery
 - (c) Lingual, facial, maxillary & ascending pharyngeal artery.
 - (d) None of the above
- (iii) Metopic Suture is present in-
 - (a) Parietal bone
 - (b) Frontal bone
 - (c) Occipital bone
 - (d) Temporal bone
- (iv) Structures passing through foramen ovale are all except :
 - (a) Mandibular nerve
 - (b) Accessory middle meningeal artery
 - (c) Middle meningeal artery
 - (d) Lesser petrosal nerve
- (v) All are paired cranial sinuses except :
 - (a) Cavernous venous sinus
 - (b) Superior petrosal sinus
 - (c) Anterior inter cavernous sinus
 - (d) Sphenoparietal sinus.