

**SANKALCHAND PATEL UNIVERSITY**  
**BDS – 1<sup>st</sup> Year – EXAMINATION – SUMMER 2017**

**Subject Code:1DS1010101****Date:12/06/2017****Subject Name: General Human Anatomy including Embryology and Histology****Time: 3 Hours****Total Marks: 70****Instructions:**

1. Use separate answer book for each section.
2. Attempt all questions.
3. Draw diagrams wherever necessary.
4. Figures to the right indicate marks.

**SECTION – A****Q.1 Attempt Following Structured Long Essay (Any One) 10**

A. Describe the parotid gland under the following headings?

- |  |   |
|--|---|
| i) External features                         | 1 |
| ii) Relations & Structures with in the gland | 4 |
| iii) Blood and Nerve supply                  | 3 |
| iv) Applied anatomy                          | 2 |

B. Describe lateral wall of Nose under the following headings

- |                                   |   |
|-----------------------------------|---|
| i) Bones forming the lateral wall | 2 |
| ii) Conchae and Meatuses          | 3 |
| iii) Blood supply                 | 2 |
| iv) Applied anatomy               | 3 |

**Q.2 Attempt Following Short Essay (Any Three) 15**

- A. Carotid triangle- Boundaries and Contents
- B. Development of Face with anomalies
- C. Histology of Mixed salivary gland with example
- D. Down's syndrome- Karyotype & clinical features
- E. Write in detail about the Nerve supply of Tongue

**Q.3 Answer Followings Questions in Short 5**

- A. The lining epithelium of the trachea is \_\_\_\_\_. (Fill in the blank)
- B. Which layer of scalp is considered as Dangerous area of Scalp?
- C. Enumerate the unpaired cartilages of Larynx?
- D. Name the structures that opens into right atrium of Heart?
- E. Name the structures that pass through the stylomastoid foramen?

**Q.4 Choose Correct Options from Following Multiple Choice Questions 5**

- A. Hassall's corpuscles are seen in the
  - i) Thyroid gland
  - ii) Pituitary gland
  - iii) Thymus gland
  - iv) Parotid gland

- B. The only motor branch from the posterior branch of Mandibular nerve is
- Masseteric nerve
  - Mylohyoid nerve
  - Mental nerve
  - Nerve to medial Pterygoid
- C. Which of the following is not the branch of External carotid artery?
- Facial artery
  - Lingual artery
  - Inferior thyroid artery
  - Superior thyroid artery
- D. Karyotype for Klinefelter's syndrome is
- 47 XXY
  - 46 XY
  - 46 XX
  - 45 X0
- E. Oblique facial cleft is because of the defect in the fusion of
- Maxillary process with mandibular processes
  - Maxillary process with Medial nasal process
  - Maxillary process with Palatine process
  - Maxillary process with Lateral nasal process

## SECTION – B

### **Q.5 Attempt Following Structured Long Essay (Any One)**

**10**

- A. Describe the Temporo Mandibular joint under the following headings.

- Type of joint & ligament's
- Relations of the joint
- Muscles producing movements
- Applied anatomy

2  
3  
3  
2

- B. Enumerate Dural venous sinuses.

2

Write in detail about the Cavernous sinus under the following headings.

- Relations of the cavernous sinus
- Structures that open in the lateral wall of Cavernous sinus
- Tributaries

2  
3  
3

### **Q.6 Attempt Following Short Essay (Any Three)**

**15**

- Classify Fibrous joints with examples
- Derivatives of first and second Pharyngeal or branchial arches
- Histology of Thyroid gland.
- Maxillary air sinus
- Submandibular ganglion

**Q.7 Answer Followings Questions in Short**

**5**

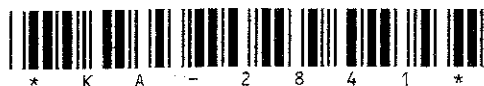
- A. The lining epithelium of the Urinary bladder is \_\_\_\_\_. (Fill in the blank)
- B. Name the muscles attached to genial tubercles of the mandible?
- C. Which functional area of brain corresponds to Broca's speech area?
- D. Nerve supply to the infra hyoid muscles is by \_\_\_\_\_. (Fill in the blank)
- E. What is tonsillectomy?

**Q.8 Choose Correct Options from Following Multiple Choice Questions**

**5**

- A. Which of the following is an example for sesamoid bone?
  - i) Scapula
  - ii) Patella
  - iii) Maxilla
  - iv) Cervical rib
- B. Which of the following Cervical vertebra are considered as a typical?
  - i) 1<sup>st</sup>, 2<sup>nd</sup> and 5<sup>th</sup>
  - ii) 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup>
  - iii) 1<sup>st</sup>, 2<sup>nd</sup> and 7<sup>th</sup>
  - iv) 2<sup>nd</sup>, 3<sup>rd</sup> and 7<sup>th</sup>
- C. Mandibular teeth are supplied by which of the following nerve
  - i) Lingual nerve
  - ii) Buccal nerve
  - iii) Auriculotemporal nerve
  - iv) Inferior alveolar nerve.
- D. Lateral ventricles of brain are communicated with third ventricle by
  - i) Foramen of Monro
  - ii) Foramen of Magendi
  - iii) Foramen of Luskha
  - iv) Cerebral aqueduct
- E. Payers Patches are seen in which of the following part of Gastrointestinal tract
  - i) Stomach
  - ii) Duodenum
  - iii) Ileum
  - iv) Oesophagus

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**KA-2841**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**June / July – 2017**

**General Anatomy Including Histology &  
Embryology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Use separate answer sheet for each section.  
(2) Draw diagram wherever necessary.  
(3) Figure to the right indicate full marks.  
(4) Write legibly.

**SECTION – I**

- 1** Discuss anatomy of temporomandibular joint. **14**  
Mention its clinical aspects.
- 2** Write short notes on any **three** : **15**  
(a) Arterial supply of heart  
(b) Spleen  
(c) Kidney  
(d) Classification of bone.
- 3** Answer in brief : (any **six**) **6**  
(a) Mention structure present in carotid sheath.  
(b) Mention the nerve supply of muscles of eyeball.  
(c) Give the name of parasympathetic ganglion.  
(d) Mention the blood supply of thyroid gland.

- (e) Give the importance of lymphatic drainage.
- (f) Mention the site of intramuscular injection.
- (g) Give the name of neuroglia cells,
- (h) Write the formation and end of external jugular vein.

## SECTION - II

- 1 Discuss course, relation, branches of mandibular nerve. Mention its clinical importance. 14
- 2 Write short notes on any **three** : 15
  - (a) Fertilization
  - (b) Development of face
  - (c) Histology of lymph node
  - (d) Histology of liver
- 3 Answer in brief : (any **six**) 6
  - (a) What is difference between mitosis and meiosis?
  - (b) Mention the lining epithelium of trachea,
  - (c) What is lingual thyroid? Mention the site of its.
  - (d) What is the difference between bone and cartilage?
  - (e) What is somites? Mention its derivatives.
  - (f) Mention the development of hyoid bone.
  - (g) What is embryonic stem cell? What is the importance of it?



**GD-3081**      Seat No. \_\_\_\_\_  
**First Year B. D. S. Examination**  
**December – 2016**  
**General Anatomy & Histology**

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

- (1) Use separate answer sheet for each section.
- (2) Draw diagrams wherever necessary.
- (3) Numbers to the right indicate marks.

**SECTION – 1**

- 1** Describe Facial Nerve in detail along with its clinical anatomy. **14**
  
- 2** Write short notes on Any **Three** of the following : **15**
  - (1) Anastomosis
  - (2) Infratemporal Fossa
  - (3) Maxillary Air sinus
  - (4) Circle of Willis
  - (5) Gross anatomy of the Liver
  
- 3** Write in **one** or **two** lines on Any **Six** of the following : **06**
  - (1) Define Fertilization.
  - (2) Enumerate the cells of the connective tissue.
  - (3) What is Facial angle ? Write down its Importance.

- (4) Give names of any four muscles inserted over the Mandible.
- (5) Name the sites of secretion and absorption of Cerebrospinal fluid.
- (6) Write down origin, insertion and actions of the Sternocleidomastoid muscle.
- (7) What is Waldeyer's Ring ?

## SECTION - 2

- 1 Describe the gross anatomy of the Parotid gland in detail with clinical anatomy. 14
- 2 Write short notes on Any **Three** of the following: 15
  - (1) Histology of Hyaline Cartilage
  - (2) Notochord - Formation and Fate
  - (3) Femoral Triangle
  - (4) Gross anatomy of Left Lung
  - (5) The Tongue
- 3 Write in **one** or **two** lines on Any **Six** of the following: 06
  - (1) Define Epithelium and enumerate the types of the epithelium.
  - (2) Enumerate the parts of the stomach.
  - (3) Enumerate the structures passing through foramen Ovale.
  - (4) Mention the types of circulation of blood.
  - (5) Define Gastrulation.
  - (6) Enumerate the name of Infrahyoid Muscles.
  - (7) Enumerate the branches of External Carotid Artery.



**PAK-3061**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**June/July – 2016**

**General Human Anatomy  
Including Embryology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Use separate answer book for each section.
  - (2) Draw diagrams wherever necessary.
  - (3) Attempt all questions.

**SECTION - I**

- 1 Describe anatomy of temporomandibular joint. Discuss Mandibular Movements. 14
- 2 Write notes on : (any three) 15
  - (a) Surface features of heart
  - (b) Hilum of right lung
  - (c) Vermiform appendix
  - (d) Urinary bladder
  - (e) Uterus.



- (i) Which type of Epithelium lines lung alveoli ?
- (ii) Define Fertilisation.
- (iii) Define Pennate muscle.
- (iv) Name types of Fibrous joint.
- (v) Define portal circulation.
- (vi) How many autosomes are present in human cell ?
- (vii) From where do muscles of mastication develop ?

1	Describe anatomy of thyroid gland. Mention its applied anatomy.	14
2	Write notes on : (any three) (a) Development of tongue (b) Histology of skeletal muscle. (c) Histology of palatine tonsils. (d) Development of mandibular arch. (e) Histology of hyaline cartilage.	15

## SECTION - II

3	Answer in one or two sentences : (any six) (i) Name the branches of facial artery on face. (ii) Name dangerous layer of scalp. (iii) Name parasympathetic ganglia in head and neck. (iv) Where does parotid duct open ? (v) Mention nerve supply of sternomastoid muscle. (vi) What is bell's paralysis (Palsy) ? (vii) Name branches of common carotid artery.	6
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**GDX-2841**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**January - 2016**

**Human Anatomy**

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Each paper contains two sections A and B.
  - (2) Attempt all questions. Draw diagrams where necessary.
  - (3) Each section shall be answered in separate answer book.

**SECTION - I**

- 1 Describe in detail : Parotid gland 14
- 2 Write short notes on any three : 5×3=15
  - (i) Lateral wall of nose
  - (ii) Submandibular salivary gland
  - (iii) Facial Artery
  - (iv) Cavernous sinus
  - (v) Soft palate.
- 3 Answer in one or two sentences : (any six) 6×1=6
  - (i) Which are components of Waldeyer's ring ?
  - (ii) Histology – layers of cerebellar cortex
  - (iii) Give symptoms of Horner' syndrome.
  - (iv) Nerve supply of anterior 2/3 of tongue
  - (v) Hassall's Corpuscle are present in \_\_\_\_\_.
  - (vi) Structures passing from optic canal.
  - (vii) Which are structures form Bed of the tonsil ?

## SECTION - II

- 1 Describe in detail posterior triangle of neck. 14
  - 2 Write short notes on any three : 5×3=15
    - (i) Fertilization
    - (ii) Development of face
    - (iii) Classification of synovial joint
    - (iv) Histology of loose areolar tissue
    - (v) Right coronary artery.
  - 3 Answer in one or two sentences : (any six) 6×1=6
    - (i) Mention the layers of the scalp.
    - (ii) Give example of Sesamoid bones.
    - (iii) Mentions the contains of carotid sheath
    - (iv) What is Pterion and give its important.
    - (v) Myeline Sheath is formed by which cells.
    - (vi) Mention the parts of temporal bone
    - (vii) Muscle supplies by Ansa cervicalis.
-



**HDB-2521**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**June / July - 2015**

**Human Anatomy**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Each paper consists **two** Section I and II.  
(2) Attempt all questions, draw diagrams where **necessary**.  
(3) Each section shall be answered in **separate** answer book.

**SECTION - I**

- 1** Describe in detail Pharynx. **14**
- 2** Write short notes on any **three** : **5×3=15**  
(a) Right lung  
(b) Suboccipital triangle  
(c) Lingual Nerve  
(d) Fascia Collis  
(e) Temporo-mandibular joint.
- 3** Answer in **one** or **two** sentences : (any **six**) **6×1=6**  
(a) Define oogenesis.  
(b) Nerve supply of the trapezius.  
(c) Define Subclavian steal syndrome.  
(d) Function of carotid body.  
(e) What is Bregma and give its importance.  
(f) Give only three structures passing from the foramen magnum.

- (g) Which are the structures passing through internal acoustic meatus ?

## SECTION - II

- 1 Describe in detail of Thyroid Gland. 14
- 2 Write short notes on any **three** : 5×3=15
- (a) Spleen
  - (b) Development of tongue with nerve supply
  - (c) Classification of synovial joint
  - (d) Histology of ground bone
  - (e) Histology of the kidney
  - (f) Soft palate.
- 3 Answer in **one** or **two** sentences : (any **six**) 6×1=6
- (a) Artery supply of palatine tonsil.
  - (b) Give example of Typical long bones.
  - (c) What are contents of pterygo-palatine fossa ?
  - (d) Give surgical importance of middle meningeal artery.
  - (e) Mention the layers of Scalp.
  - (f) Mention the causes of thrombosis of the cavernous sinus.
  - (g) Nerve supply of Crico-thyroid muscle.
-



**KCD-8421**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**November / December – 2014**

**General Human Anatomy Including Histology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Use separate answer book for each section.  
(2) Draw diagram wherever necessary.  
(3) Figures to the right indicate marks.

**SECTION - I**

- 1** Write short notes on : (any **two**) **14**  
(1) Pituitary Gland  
(2) Anterior triangle of neck  
(3) Cavernous sinus
- 2** Write short notes : (any **four**) **16**  
(1) Temporo-mandibular joint  
(2) Brachial plexus  
(3) Lymph node  
(4) Blood supply of the long bones  
(5) Otic ganglia
- 3** Answer in one or two sentences : **5**  
(1) Mention the parts of Sphenoid bone.  
(2) Muscles supplied by glossopharyngeal nerve.  
(3) What is Pterion point and give its importance ?  
(4) What is Ansa Subclavia ?  
(5) What is Frey's syndrome ?

## SECTION - II

- 4 Write notes in brief : (any **two**) **14**
- (1) Lateral wall of nose
  - (2) Parotid gland-blood vessels, nerve and lymphatic and applied
  - (3) Kidney.
- 5 Write short notes in any **four** : **16**
- (1) Histology of Thyroid gland
  - (2) Coronary Artery
  - (3) Histology of Pancreas
  - (4) Hypoglossal nerve
  - (5) Twinning
- 6 Answer in one two sentences : (any **five**) **5**
- (1) Name the structures develop from third pharyngeal pouch.
  - (2) What is dysphagia lusoria ?
  - (3) Muscles supplied by recurrent laryngeal nerve.
  - (4) Define Superfoetation.
  - (5) Clinical uses of the carina of the trachea.
  - (6) Name the ganglion of submandibular gland.
-





**BM-5051**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**May / June – 2014**

**General Human Anatomy Including  
Histology**

Time : 3 Hours]

[Total Marks : 70

Instruction: 1) Use separate answer book for each section.

2) Draw diagrams wherever necessary

3) Figures to the right indicate marks.

**SECTION-I**

- |                                   |    |
|-----------------------------------|----|
| 1. Write short notes on (any two) | 14 |
| i) Thyroid Gland                  |    |
| ii) Posterior triangle of neck    |    |
| iii) Facial nerve                 |    |
| 2. Write short notes; (any four)  | 16 |
| i) Soft Palate                    |    |
| ii) Sub-occipital Triangle        |    |
| iii) Pituitary gland              |    |
| iv) Cardiac Muscle                |    |
| v) Synovial joints                |    |

3. Answer in one or two sentences

05

- i) Mention the parts of temporal bone
- ii) Muscle supplies by Ansa cervicalis
- iii) What is Pterion point and give its importance
- iv) Name the bones develop from 1<sup>st</sup> pharyngeal arch
- v) Human placenta is term of embryology -----

#### SECTION-II

4 Write notes in brief; (any two)

14

- i) Scalp-1.Layers, 2. Blood vessels,3 nerve &applied
- ii) Tongue -1.blood vessels, 2. Nerve, 3.lymphatic &applied
- iii) Liver

5. Write short note on (any four)

16

- i) Notochord
- ii) Histology of hyaline cartilage
- iii) Coronary Artery
- iv) Sternocleidomastoid muscle
- v) Histology of palatine tonsil

6. Answer in one two sentences (any five)

05

i) Name the structures develop from third pharyngeal pouch

ii) What is Horner's Syndrome?

iii) Muscles supplied by recurrent laryngeal nerve

iv) Define neuron

v) Frontal sinus open in to-----

vi) What is optic neuritis?

\_\_\_\_\_



**GCZ-5611**      Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**December - 2013**

**General Anatomy & Histology**

Time :    Hours]

[Total Marks : 70

- Instructions :** (1) Draw diagram where ever necessary  
(2) Figure on Right indicate marks

**SECTION - I**

- 1**    Describe any two : **8×2=16**  
      (a)    Facial nerve.  
      (b)    External Carotid artery.  
      (c)    Liver.
- 2**    Write short notes on any three : **5×3=15**  
      (a)    Anastomosis.  
      (b)    Placenta.  
      (c)    Root of Lung.  
      (d)    Muscles of Mastication.  
      (e)    Inferior Alveolar nerve.
- 3**    Answer any four : **4×1=4**  
      (a)    Mention four parts of Fallopian tube.  
      (b)    Name facial muscle for expressing Surprise.  
      (c)    Spasm is \_\_\_\_\_.

- (d) Nerve of first Pharyngeal Arch is\_\_\_\_\_.
- (e) Name two exocrine glands.
- (f) Root value of Brachial Plexus is\_\_\_\_\_.

## SECTION - II

- 4 Describe Soft Palate with diagram under 16  
following heads :
- (a) External features and location
  - (b) Muscles and Nerve supply
  - (c) Movements and functions.
- 5 Write short notes on any three : 5×3=15
- (a) Microscopic structure of compact bone.
  - (b) Salivary glands
  - (c) Left Ventricle.
  - (d) Pterygopalatine Ganglia.
  - (e) Kidney.
- 6 Answer any four : 4×1=4
- (a) Artery supplying Heart is\_\_\_\_\_.
  - (b) Total number of Cervical spinal nerves is\_\_\_\_\_.
  - (c) Name two Pneumatic bones
  - (d) Eustachian tube connects\_\_\_\_\_with\_\_\_\_\_.
  - (e) Cervical Plexus root value is \_\_\_\_\_.
  - (f) Name two locations where smooth muscles are present.



**K-4151**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**June - 2013**

**General Anatomy & Histology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Draw diagram wherever necessary.  
(2) Figure on right indicate marks.

**SECTION - I**

- 1 Write down boundaries and subdivisions of anterior triangle of Neck and describe the Carotid triangle. 14
- 2 Write short notes on any three : 5×3=15
- (a) Synovial Joint
  - (b) Histology of Pancreas
  - (c) Neuroglia
  - (d) Waldeyer's Lymphatic Ring
  - (e) Deltoid Muscle.
- 3 Answer any three : 2×3=6
- (a) Write down origin and insertion of Temporalis.
  - (b) Name six extra ocular muscle.
  - (c) What do you mean by Implantation ?
  - (d) Where is Apex beat located ?
  - (e) What is Pterion ? What is its importance ?

## SECTION - II

- 4 Describe Palatine Tonsil. 14
- 5 Write short notes on any three : 5×3=15
- (a) Bronchial Tree
  - (b) Right Atrium
  - (c) Pharyngeal Arch
  - (d) Stomach
  - (e) Stratified Squamous epithelium.
- 6 Answer any three : 2×3=6
- (a) Name female internal genital organs.
  - (b) What is Laparatomy ?
  - (c) Name type of muscles.
  - (d) Name all arteries supplying blood to Brain.
  - (e) What is Mediastinum ?
-



Seat No. \_\_\_\_\_

October / November – 2012

Time : 3 Hours]

[Total Marks : 70

(2) Draw diagrams where **necessary**.

(3) Figures to the **right** indicate marks.

1 Write notes in brief : (any two) 14

(i) Facial Nerve

(ii) Anterior triangle of Neck

(iii) Cavernous sinus.

2 Write short notes on : (any four) 16

(i) Liver

(ii) End artery

(iii) Histology of cardiac muscle

(iv) Ansa cervicalis

(v) Corpus Leuterm

(vi) Maxillans Artery.

3 Answer in **one** or **two** sentences : (any five) 5

(i) Pterion.

(ii) Pneumatic bones.

(iii) Define Anastomosis.

(iv) Types of Neuroglia.

(v) Sternal Angle.

(vi) Nerve supply of cricothyroid muscle.



## SECTION - II

- 1 Write notes in brief : (any **two**) 14  
(i) Muscles of mastication  
(ii) Temporo mandibular joint  
(iii) Right Lung.
- 2 Write short notes on : (any **four**) 16  
(i) Subclavian artery  
(ii) Spleen  
(iii) Histology of Lymph node  
(iv) Synovial joint  
(v) Spermatogenesis  
(vi) Superior mesenteric artery.
- 3 Answer in **one** or **two** sentences : (any **five**) 5  
(i) Define pneumothorax.  
(ii) Give name of 8<sup>th</sup> cranial nerve.  
(iii) What is epicranial aponeurosis.  
(iv) Mention ligaments of uterus.  
(v) Nerve supply of sternocleidomastoid muscle.  
(vi) Attachments of styloid process.
-



**K-9701**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**June / July - 2012**

**General Anatomy & Histology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Use separate answer book for each section.
  - (2) Draw diagrams where necessary.
  - (3) Figures to the right indicate marks.

**SECTION - I**

- |          |  |           |
|----------|--|-----------|
| <b>1</b> | Write notes in brief : (any <b>two</b> ) | <b>14</b> |
|          | (1) Parotid gland                        |           |
|          | (2) Scalp                                |           |
|          | (3) Maxillary Air sinus.                 |           |
| <br>     |  |           |
| <b>2</b> | Write short notes : (any <b>four</b> )   | <b>16</b> |
|          | (1) Fibrous joint                        |           |
|          | (2) Middle meningeal artery              |           |
|          | (3) Soft palate                          |           |
|          | (4) 'Ovulation                           |           |
|          | (5) Suboccipital Triangle                |           |
|          | (6) Pituitary gland.                     |           |

- 3 Answer in one or two sentences : (any **five**) 5
- (1) Define haemothorax
  - (2) Mention Ligaments of spleen
  - (3) Types of Neuron
  - (4) Bell's palsy
  - (5) Nerve supply of Digastric muscle
  - (6) Examples of sesamoid bone.

## SECTION - II

- 1 Write notes in brief : (any **two**) 14
- (1) Deep cervical fascia
  - (2) Stomach
  - (3) Mandibular nerve.
- 2 Write short notes : (any **four**) 16
- (1) Histology of compact bone
  - (2) Pterygopalatine fossa
  - (3) Histology of Lung
  - (4) Branchial Arch
  - (5) Posterior triangle of Neck
  - (6) Ligaments of uterus.
- 3 Answer in one or two sentences : (any **five**) 5
- (1) Bregma
  - (2) Define ganglia
  - (3) Give types of muscles
  - (4) Muscles supplied by Ansa cervicalis
  - (5) Age changes in mandible
  - (6) Name of unpaired cartilages of Larynx.



**TQ-8501**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**October / November - 2011**

**General Human Anatomy including Histology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Use separate answer book for each section.  
(2) Draw diagrams whenever necessary.  
(3) Figures to the right indicate marks.

### **SECTION - I**

- |          |   |           |
|----------|---|-----------|
| <b>1</b> | Write short notes on (any two)            | <b>14</b> |
|          | (i) Thyroid Gland                         |           |
|          | (ii) Anterior Triangle of Neck.           |           |
|          | (iii) Parts of Pharynx.                   |           |
| <b>2</b> | Write short notes on : (any four)         | <b>16</b> |
|          | (i) Facial Nerve                          |           |
|          | (ii) Scalene Muscles                      |           |
|          | (iii) Synovial Joint                      |           |
|          | (iv) Middle Meningeal Artery              |           |
|          | (v) Anastomosis                           |           |
|          | (vi) Autonomic Nervous System             |           |
| <b>3</b> | Answer in one or two sentences (any five) | <b>5</b>  |
|          | (i) Tributaries of Internal Jugular Vein  |           |
|          | (ii) What is Horner's syndrome ?          |           |
|          | (iii) Ligament of spleen                  |           |
|          | (iv) Developmental anomalies of kidney.   |           |
|          | (v) Muscles supplied by Mandibular Nerve  |           |
|          | (vi) What is pneumothorax ?               |           |

## SECTION - II

- 4 Write short notes on : (any two) 14  
(i) Infratemporal Fossar  
(ii) Tongue  
(iii) Deep cervical Fascia
- 5 Write short notes on : (any four) 16  
(i) Uterus  
(ii) Trachea  
(iii) Histology of spleen  
(iv) Stomach  
(v) Histology of Hyaline Cartilage  
(vi) Meiosis
- 6 Answer in one or two sentences : (any five) 5  
(i) Name the ganglion of Parotid gland.  
(ii) What is Theca Interna ?  
(iii) Give the types of Muscles.  
(iv) Name nerve supply of Muscle of Mastication  
(v) What is Pterion and give its important.  
(vi) Mention the part of Pancreas.
-



**PF-5501**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**  
**June/July – 2011**  
**General Human Anatomy Including**  
**Histology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Use separate answerbook for each section.
  - (2) Draw diagrams wherever necessary.
  - (3) Figures to the right indicate marks.

**SECTION - I**

- 1** Write short notes on : (any **two**) **14**
  - (i) Vagus nerve
  - (ii) Parotid gland
  - (iii) Temporomandibular joint.
  
- 2** Write short notes on : (any **four**) **16**
  - (i) External carotid artery.
  - (ii) Muscles of mastication.
  - (iii) Neuroglia
  - (iv) Lymph node
  - (v) Capillaries
  - (vi) Paranasal sinuses.
  
- 3** Answer in one or two sentences : (any **five**) **5**
  - (i) Mention the nerve supply of sternomastoid.
  - (ii) What is spermatogenesis?
  - (iii) Write the types of cartilage.
  - (iv) Mention the supports of uterus.
  - (v) Write the blood supply of stomach
  - (vi) Mention the structure passing through Jugular foramen.

## SECTION - II

- 4 Write short notes on : (any **two**) 14
- (i) Soft palate
  - (ii) Pituitary gland
  - (iii) Scalp
- 5 Write short notes on : (any **four**) 16
- (i) Right kidney.
  - (ii) Histology of liver
  - (iii) Left lung
  - (iv) Phases of menstrual cycle
  - (v) Histology of skeletal muscle
  - (vi) Pancreas.
- 6 Answer in one or two sentences : (any **five**) 5
- (i) Mention the branches of subclavian artery
  - (ii) Write the ligaments of liver.
  - (iii) What is morula ?
  - (iv) Write the papillae of tongue
  - (v) Mention the types of circulation of blood.
  - (vi) What is hysterosalpingography ?
-



**6651**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**October / November – 2010**

**General Human Anatomy  
Including Histology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Use separate answer book for each section.  
(2) Draw diagrams wherever necessary.  
(3) Figures to the right indicate full marks.

**SECTION – I**

- 1** Write notes on : (any two) **7x2=14**
- (i) Temporomandibular joint
  - (ii) Posterior triangle of neck
  - (iii) Facial nerve
- 2** Write short notes on : (any four) **4x4=16**
- (a) Retromandibular vein
  - (b) Ossification
  - (c) Deep fascia
  - (d) Cartilage
  - (e) Cardiac muscle
  - (f) Pteryopalatine fossa.



- 3 Answer in one or two sentences 5
- (i) Name the muscles supplied by spinal accessory nerve
  - (ii) Name the branches of external carotid artery.
  - (iii) Give classification of neurone according to shape with its example.
  - (iv) What is pterion and give its importance.
  - (v) Name the cells forming myeline sheath.

## SECTION - II

- 4 Write notes on any (two) 14
- (i) Parotid gland
  - (ii) Lateral wall of Nose
  - (iii) Ciliary ganglion.
- 5 Write short notes on : (any four) 16
- (i) Histology of spleen
  - (ii) Histology of compact bone
  - (iii) Urinary bladder
  - (iv) Left lung
  - (v) Notochord
  - (vi) Development of hard palate
- 6 Answer in one or two sentences: 5
- (a) Give type Human placenta
  - (b) Name the bones develop from first pharyngeal arch
  - (c) Give two applied importance of median cubital vein
  - (d) Name the arteries supplying thyroid gland
  - (e) Myoepithelial cells found where and give their function.



**D-2926**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**April / May - 2010**

**General Human Anatomy  
Including Histology**

Time : 3 Hours]

[Total Marks : 70

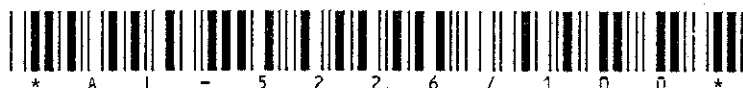
- Instructions :**
- (1) Use **separate** answer book for each section.
  - (2) Draw diagrams wherever **necessary**.
  - (3) Figures to the **right** indicate marks.

**SECTION - I**

- 1 Write short notes on : (any two) 14
  - (i) Cervical Fascia
  - (ii) Lateral pterygoid muscle
  - (iii) Mandibular nerve.
  
- 2 Write short notes on : (any four) 16
  - (a) Fibrous Joint
  - (b) Smooth muscle
  - (c) Ansa cervicalis
  - (d) Facial artery
  - (e) Elastic artery
  - (f) Neurone.
  
- 3 Answer in **one** or **two** sentences : 5
  - (i) Define ganglia
  - (ii) Mention the parts of Temporal bone
  - (iii) Give applied importance of Bryonia
  - (iv) What is Bell's palsy
  - (v) Define cillia and give their function.

## SECTION - II

- 4 Write notes on : (any **two**) 14
- (i) Cavernous sinus
  - (ii) Carotid triangle
  - (iii) Movements of Eye ball.
- 5 Write short notes on : (any **four**) 16
- (i) Liver
  - (ii) Right atrium
  - (iii) Development of face
  - (iv) Somite
  - (v) Histology of tonsile
  - (vi) Histology of uterus.
- 6 Answer in **one or two** sentences : 5
- (i) Name the placental barrier
  - (ii) Name the defect defect from second pharyngeal arch
  - (iii) Define Diaphysis
  - (iv) Define spermatogenesis
  - (v) Mention the parts of fallopian tube.
-



**AL-5226**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**September / October - 2009**

**Human Anatomy Including Histology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Use **separate** answer book for each section.
  - (2) Draw diagrams wherever **necessary**.
  - (3) Figures on the **right** indicate full marks.

**SECTION - I**

- 1 Describe the anatomy of scalp and give its applied importance. 14
- 2 Write short notes on : (any **three**) 15
  - (a) End arteries
  - (b) Deep fascia
  - (c) Carotid triangle
  - (d) Sternocleidomastoid muscle
  - (e) Ciliary ganglion.
- 3 Answer in **one** or **two** sentences : 6
  - (a) Name the muscles supplied by myelohyoid nerve.
  - (b) Define neurone.
  - (c) What is metopic suture ?
  - (d) Name the neuroglial cells
  - (e) Name the muscles of mastication
  - (f) Define Torticollis.

## SECTION - II

- 4 Describe the extraocular muscles of eye ball give their action and applied anatomy. 14
- 5 Write short notes on : (any **three**) 15
- (a) Yolk sol.
  - (b) Derivative of second bronchial arch
  - (c) Histology of Liver
  - (d) Hyaline cartilage
  - (e) Spleen.
- 6 Answer in **one** or **two** sentences : 12
- (a) Name the cartilage of first bronchial arch.
  - (b) Name the layers of Epiclermis of skin.
  - (c) Give nerve supply of gluteous maximus muscle.
  - (d) Define spermatogenesis.
  - (e) Name the histological layers of vein.
  - (f) Name the cells forming myeline sheath.
-



MN-4701

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**May / June – 2009**

**Human Anatomy Including Histology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Use separate answer book for each section.
  - (2) Draw diagrams wherever necessary.
  - (3) Figures to the **right** indicate full marks.

**SECTION - I**

- 1 Describe paranasal sinuses in detail and give applied anatomy. 14
- 2 Write short notes on : (any **three**) 15
  - (i) Anastomosis
  - (ii) Fibrous joint
  - (iii) Ossification
  - (iv) Retromandibular vein
  - (v) Greater petrosal nerve.
- 3 Answer in one or two sentences : 6
  - (a) Define ganglia.
  - (b) Name the muscles supplied by spinal accessory nerve.
  - (c) Name the cells forming myeline sheath.
  - (d) What is pterion and give its importance.
  - (e) Mention the parts of temporal bone.
  - (f) Why optic nerve is considered as a tract?

## SECTION - II

- 4 Describe cervical fascia and give its applied anatomy. 14
- 5 Write short notes on : 15
- (a) Development of face
  - (b) Somites
  - (c) Histology of stomach
  - (d) Histology of compact bone
  - (e) Right atrium of heart.
- 6 Write answers in one or two sentences : 6
- (i) Name the placental barriers
  - (ii) Name the histological layers of cerebellar cortex
  - (iii) Give applied importance of median cubital vein
  - (iv) Give special sensory nerve supply of tongue
  - (v) Mention the layers of transitional epithelium
  - (vi) Define cleavage.
-



5  
✓

**D-8051**

Seat No. \_\_\_\_\_

**First Year B.D.S. Examination**

**October / November – 2008**

**General Human Anatomy Including  
Histology**

Time : 3 Hours]

[Total Marks : 80

- Instructions:**
- (1) Use **separate** answer book for **each** section.
  - (2) Draw diagrams wherever **necessary**.
  - (3) Figures to the **right** indicate **full** marks.

**SECTION - I**

- 1 Describe the deep cervical fascia of the neck. 14  
Give its applied anatomy.
  
- 2 Describe in brief : (any **two**) 14
  - (a) Palatine Tensile
  - (b) Cavernous sinus
  - (c) Lateral Pterigoid muscle.
  
- 3 Write short notes on : (any **three**) 12
  - (i) Fibrous joints
  - (ii) Lymph nodes
  - (iii) Neurone
  - (iv) Collateral circulation.



## SECTION - II

- 4 Describe parotid Salivary gland. Give its blood supply, nerve supply and applied anatomy. 14
- 5 Describe in brief : (any **two**) 14
- (a) Left lung
  - (b) Pancreas
  - (c) Uterus
- 6 Write short notes on : (any **three**) 12
- (i) Graffian follicle
  - (ii) Derivative of second pharyngeal arch
  - (iii) Histology of stomach
  - (iv) Histology of hyaline cartilage.
-



**DF-5501**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**May / June - 2008**

**General Human Anatomy  
Including Histology**

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Use separate answer book for each section.  
(2) Draw diagrams wherever necessary.  
(3) Figures to the right indicate full marks.

**SECTION - I**

- 1 Describe the origin, central connections, course      14  
distribution and applied anatomy of facial nerve.
- 2 Describe in brief : (any **two**)      14
  - (a) Post triangle of neck
  - (b) Maxillary air sinus
  - (c) Hyoglossus muscle
- 3 Write short notes on : (any **three**)      14
  - (a) Tendon
  - (b) Synovial Joints
  - (c) Int. Jugular Vein
  - (d) Synergists

## SECTION - II

- 4 Describe Anatomy, Histology and development of thyroid gland. 14
- 5 Describe in brief : (any **two**) 14
- (a) Left Ventricle
  - (b) Liver
  - (c) Testis.
- 6 Write notes on : (any **three**) 12
- (a) Notochord
  - (b) Development of Face
  - (c) Histology of compact bone
  - (d) Histology of Tongue.
-

1st BDS, 1<sup>st</sup> Internal Exam, (2017-18)

SECTION – 1

(25 Marks)

Q.1 Describe SCALP under following headings:

1 x 7 = 7

1. Definition
  2. Layers
  3. Arterial Supply
  4. Nerve Supply
  5. Diagram
- 

Q.2 Short Questions, Attempt any 3 out of 5

3 x 4 = 12

1. Describe DANGEROUS AREAS OF THE FACE.
  2. Write difference between ARTERY AND VEIN.
  3. Classification of Epithelium tissue.
  4. Name 12 pairs of Cranial nerves.
  5. Arterial supply of face
- 

Q.3 Objective type questions:

6 x 1 = 6

1. Structure passing through Superior orbital fissure.
2. Structure passing through foramen Ovale.
3. Nerve supply of Orbicularis Oris.
4. Bones forming Pterion.
5. Name 5 terminal branches of Facial nerve.
6. Typical feature of cervical vertebrae is.

SECTION – B

(25 Marks)

Q.1 Describe OÖGENESIS in detail.

1 x 7 = 7

Q.2 Short Notes, Attempt any 3 out of 5

3 x 4 = 12

1. Draw labelled diagram of NEURON.
2. LACRIMAL APPARATUS.
3. Classify SYNOVIAL JOINTS and add a note on Ball and socket joint.
4. Classification of PINNATE muscles and add a note on Multipinnate muscle
5. Draw a neat labelled diagram of CUBOIDAL epithelium.

Q. 3 MCQ

6 x 1 = 6

1. Action of RISORIIIS  
(a) Smiling and Laughing (b) Whistling (c) Grinning (d) Doubt
2. No. of bones present in AXIAL and APPENDICULAR skeleton respectively  
(a) 126, 80 (b) 80, 126 (c) 206, 80 (d) 206, 126
3. Action of MENTALIS muscle  
(a) Smiling and Laughing (b) Whistling (c) Grinning (d) Doubt
4. Action of Occipitofrontalis muscle  
(a) Grief (b) Grinning (c) Wrinkles forehead (d) Doubt
5. Eg. of PIVOT joint  
(a) Superior and inferior radio ulnar joint (b) elbow joint  
(c) Median atlanto axial joint (d) both A and C
6. OCCIPITAL ARTERY is a branch of  
(a) Internal carotid Artery (b) Facial Artery (c) Maxillary Artery (d) External carotid Artery

Anatomy

(1<sup>st</sup> year)

Anatomy

**NARSINHBHAI PATEL DENTAL COLLEGE AND HOSPITAL**

**Examination Name:-Preliminary Examination**

**Department Name:-Anatomy**

**Subject Name:-Human Anatomy & Embryology**

**Batch & Year:-F.Y.B.D.S. 2016-17**

**SECTION-1**

**Total= 35 Marks**

**Q.1 Describe Temporomandibular joint under following headings**

**1x10=10M**

**a)Type of joint b)Ligaments c)Relations d) Blood and Nerve supply e)Applied anatomy**

**Q.2 Explain in brief (any 3)**

**3x5=15M**

1. Carotid triangle
2. Histology of Kidney
3. Maxillary air sinus
4. Derivatives of First pharyngeal arch
5. Gross anatomy of Liver

**Q.3 Answer in one line**

**1X5=5M**

- 1 .The lining epithelium of urinary bladder is -----
- 2 Name the muscle attached to Coronoid process of mandible?
- 3.What is fertilisation?
4. Name the structures passing through Hilum of the spleen?
- 5.Which type of cartilage is seen in Trachea?

**Q.4 MULTIPLE CHOICE QUESTIONS :**

**1X5=5M**

**1. All the muscles of larynx are supplied by Recurrent laryngeal nerve except:**

**a) Thyroaretnoid b) Cricothyroid c) Transverse arytenoids d) oblique arytenoids**

**2. Taste sensation from anterior 2/3rds of the tongue is by**

**a)Lingual nerve b) Glossopharyngeal nerve c) Chord tympani d) Vagus nerve**

**3. Brain stem includes all except**

**a)Cerebellum b) Pons c) Medulla d) Midbrain**

**4. Star shaped lumen is seen in**

**a)Stomach b) Ureter c) Oesophagus d) Trachea**

**5. Which one of the following muscle is not the extrinsic muscle of pharynx**

**a)Stylopharyngeus b) Superior constrictor c) Palatopharyngeus d) Salpingopharyngeus**

**NARSINHBHAI PATEL DENTAL COLLEGE AND HOSPITAL**

**Examination Name:-Preliminary Examination**

**Department Name:-Anatomy**

**Subject Name:-Human Anatomy & Embryology**

**Batch & Year:-F.Y.B.D.S. 2016-17**

**SECTION-2**

**Total= 35 Marks**

**Q.1 Describe Lateral wall of Nose under following headings**

**1x10=10M**

**a) Bone forming b) Conchae & Meatuses c) Opening of paranasal air sinuses**

**Q.2 Explain in brief (any 3)**

**3x5=15M**

1. Otic ganglion
2. Histology of Mixed salivary gland
3. Development of Tongue
4. Movements produced by muscles of Larynx
5. External features of Cerebrum

**Q.3 Answer in one line**

**1X5=5M**

1. Enumerate the muscles of eyeball?
2. What is Steriognosis?
3. What is a Hassall's Corpuscle?
4. What is Chromaffin reaction?
5. The lining epithelium of proximal convoluted tubule is -----

**Q.4 MULTIPLE CHOICE QUESTIONS :**

**1X5=5M**

**1. All the muscles of eyeball are supplied by oculomotor nerve except:**

**a) Superior rectus b) inferior rectus c) Superior oblique d) Inferior oblique**

**2. The venous sinuses associated with Falx cerebri includes all except:**

**a) Straight sinus b) Superior sagittal c) Inferior sagittal d) Transverse sinus**

**3. Brocas functional Speech area is**

**a) area 17 b) area 44 c) area 22 d) area 7**

**4. Malphigian corpuscle is seen in**

**a) Spleen b) Lymphnode c) Palatine tonsil d) Thymus**

**5. The cartilage of second pharyngeal arch is:**

**a) Meckel's cartilage b) Richard's cartilage c) Elastic cartilage d) White fibro cartilage**

**NARSINHBHAI PATEL DENTAL COLLEGE AND HOSPITAL**

**Examination Name:-Second Internal Examination**

**Department Name:-Anatomy**

**Subject Name:-Human Anatomy & Embryology**

**Batch & Year:-F.Y.B.D.S. 2016-17**

**Section-1**

**25 Marks**

**ESSAY**

1. Describe the Temporo mandibular joint under following headings

**1x8= 8M**

- a) Type of joint
- b) Ligaments
- c) Relations & Muscles producing movemnets
- d) Blood & nerve supply
- e) Applied anatomy

**SHORT NOTES:** Explain in brief (any 3)

**3x4= 12M**

- 2. Lateral wall of Nose
- 3. Histology of Liver
- 4. Nerve supply of tongue
- 5. Cavernous sinus

**VERY SHORT NOTES:**

**1X5 = 5M**

- 6. The lining epithelium of Palatine Tonsil is \_\_\_\_\_
- 7. Arterial supply of Thyroid gland is by \_\_\_\_\_
- 8. What are Demilunes?
- 9. What is Littles area ?
- 10. Enumerate Muscles of soft palate?



## SECTION 2

### ESSAY

1. Describe Mandibular nerve under following headings :

1x8= 8M

a) Course b) Division c) Branches d) Distribution

### SHORT NOTES: Explain in brief (any 3)

3x4= 12M

2. Maxillary air sinus
3. Histology of Duodenum
4. Enumerate Dural folds? Explain Falx cerebri in detail?
5. Spermatogenesis

### VERY SHORT NOTES:

1X5 = 5M

6. The shape of the fungi form papilla is -----
7. Enumerate cartilages of Larynx ?
8. The Cuticular part of Nasal septum is formed by?
9. Action of Mylohyoid muscle ?
10. Name the structures passing through Foramen ovale?

**NARSINHBHAI PATEL DENTAL COLLEGE AND HOSPITAL**

**Examination Name:-First Internal Examination**

**Department Name:-Anatomy**

**Subject Name:-Human Anatomy & Embryology**

**Batch & Year:-F.Y.B.D.S. 2016-17**

**Section-1**

**25 Marks**

**Q.1 Describe parotid gland under following headings**

**1x7=7M**

- i. Blood & nerve supply
- ii. Applied Anatomy
- iii. External features
- iv. Relations

**Q.2 Explain in brief (any 3)**

**3x4=12M**

- 1. Dangerous area of scalp
- 2. Facial artery
- 3. Buccinator muscle
- 4. Carotid triangle
- 5. Skeletal muscle

**Q.3 Answer in one line**

**1X6=6M**

- 1. Components of carotid sheath
- 2. Epicranial aponeurosis is formed by muscle called -----
- 3. Nerve supply of facial muscles is?
- 4. What is pterion?
- 5. Which muscle is attached to the genial tubercle-----
- 6. Name any two lymphatic organs?

## SECTION 2

Q 1.Explain External Carotid artery under following headings :

1x7=7M

- a)Division
- b)Distribution
- c)Branches

Q 2.Explain in brief:

(any three)

3x4=12M

- a).Submandibular gland
- b).Histology of spleen
- c).Orbicularis oris
- d).Digastric triangle
- e).Suboccipital triangle

Q 3.Multiple choice questions

1X6=6M

a)Example of PNEUMATIC BONE :

- i)Maxilla
- ii)Tibia
- iii)Humerous
- iv)Sternum

b)Infront of the auricle Scalp is supplied by all arteries except :

- i)Supratrochlear
- ii)Supraorbital
- iii)Superficial temporal
- iv)Occipital

c)Which of the muscle is attached to PTERYGOID FOVEA:

- i)Masseter
- ii)Medial pterygoid
- iii)Lateral pterygoid
- iv)Temporalis

d)Following is not a content of SUBMENTAL triangle:

- i)Platysma
- ii)Cervical branch of facial nerve
- iii)Lymph nodes
- iv)Submandibular gland

e)Following are the layers seen in vessels :

- i)Tunica intima
- ii)Tunica media
- iii)Tunica Adventitia
- iv)All the above

f)Which of the following is not a fibrous joint:

- i)Suture
- ii)Hinge joint
- iii)Syndesmosis
- iv)Gomphosis

**First Year B D S. Preliminary Examination**

**May /June - 2016,**

**General Human Anatomy including**

**Histology& Embryology**

Time- 3-Hours

Total Maks -100

Instruction -1} Use separate answer book for each section.

2} Draw diagram where ever necessary

3} Figures to the right indicate full marks

**SECTION-1**

Q.1 Write notes on (any two)

20

1) Tempo-mandibular joint

2) Posterior triangle of the neck

3) Facial nerve

Q.2 Write short notes on (any four)

20

1)Maxillary air sinus

2) Facial Artery

3 Ossification

4) Cardiac muscle (histology)

5) Cartilage ( histology)

6) Development of thyroid gland

Q.3 Answer in one or two sentence (any five)

10

1) Name the muscles supply by spinal accessory nerve

2) Name the branches of first of maxillary artery

3) What is Frey's syndrome?

4) Mention the muscles attachment of styloid process

5)Give type Human placenta

6) What is bregma & give its importance

SECTION-2

Q.4 Write notes on any (two) 20

- 1) Parotid gland 2) Lateral wall of Nose 3) Walder's ring

Q.5 Write short notes on (any four) 20

- 1) Ligaments of liver
- 2) Notochord
- 3) Histology of compact bone
- 4) Heart
- 5) Development first pharyngeal arch
- 6) Secreto-motor pathway of Submandibular salivary gland

Q.5 Answer in one or two sentences (any five ) 10

Define Oogenesis

- 2) Function of carotid sinus
- 3) Mention the layer of SCALP
- 4) Contents of pterygo-palatine fossa
- 5) Histological layers of cerebellar cortex
- 6) Name the bones develop from second pharyngeal arch

NARSIHBHAI PATEL DENTAL COLLEGE, VISNAGAR , ANATOMY DEPARTMENT

FIRST YEAR EXAMINATION 2014-2015

- HUMAN ANATOMY INCLUDING ; EMBRYOLOGY , HISTOLOGY, GENERAL ANATOMY

TIME; 3 HOURS

MAXIMUM MARKS; 100

Note; 1. Each paper consists of two section A & B 2. Attempt all questions

3. Each section shall be answered in separate answer book

Section-A

1. Describe in details posterior triangle of neck 15
2. Write short note on (any three) 15
  - a) Submandibular salivary gland
  - b) Scalp c) Carotid triangle d) Soft palate
- 3 A) Write short note on (any three) 15
  - a) Cavernous sinus b) Muscle of mastication
  - c) Fascial nerve d) Waldeyer's lymphatic ring
- B) Answer in One or two sentences (any five) 05
  1. What is Erb's paralysis 2. Name thicker Cutaneous nerve in body
  - 3) Name two derivatives of 2nd Branchial arch 4 What is Morulla
  5. What is pulsating eye 6. Adrenal medulla is derived from-----

Section-B

- 4 Describe in detail maxillary artery 15
- 5 Write short note on (any three) 15
  - a) Right Coronary Artery and left coronary artery b) Fertilization
  - c) Tongue nerve supply and lymphatic drainage & Development
  - d) Histology – Liver and blood supply
6. A) Write short note (any three) 15
  - a) Classification of the bones b) posterior cord of brachial plexus
  - c) Otic Ganglion d) Placenta
- B) Answer in one or two sentences (any five) 05
  1. Define Fallot tetralogy 2. What is notochordal process 3. What is Mumps
  4. Define lobe of the Azygos vein 5) What is Horner's Syndrome 6) Ligaments of spleen

NARSINHBHAI PATEL DENTAL COLLEGE, VISNAGAR

FIRST YEAR B.D. S EXAM ( SECOND INTERNAL)

SUB- Human Anatomy Embryology & Histology, gross Anatomy

Time. 9.00 to 12 A.M Total marks -50 , Date 17.04.2015

Instruction -1. Draw diagram where ever necessary 2. figures on right indicates marks

Section-I

Q.1 Describe in details T. M .Joint 10

Q.2 Write short on any two 10

1.Lateral wall of the nose 2. Mandibular nerve

3. Soft palate

Q.3 Answer in one or two sentences (any five) 05

1.Which are components of Waldeyer's ring

2.Nerve supply of posterior crico-arytenoid muscle.

3 Give names of intrinsic muscle of the tongue

4. Give the blood of palatine tonsil 5 Give names of the parasympathetic ganglion

6.What is the Conus Elasticus

Section-II

Q.4 Describe in detail Tongue in following head 10

1 lymphatic drainage 2 Nerve supply 3. Extrinsic muscle

Q.5 Write short on any two 10

1. Maxillary nerve 2. Histology of trachea 3. heart

Q.6 Answer in one or two sentences ( any five) 05

1. Which are structures from Bed of the palatine tonsil

2.Myeline Sheath is formed by which cells 3.Name of the different parts of pharynx

4.What is Killian's dehiscence 5. What is ganglion of Hay fever 6. Give name of the laryngeal joints

Bachelor of Dental Surgery

First Year internal Examination Paper -2014.2015

Human Anatomy including Embryology. Histology and medical genetics

Time=3hrs date -2.2.2015

Maximum Markes-50

Note -1. Each paper consists two sections A & B

2. Attempt all questions

3 Each section shall be answered in separate answer book

Section-A

1. Describe in detail Thyroid gland 10
2. Attempts any two short notes on 10
3. a) muscle of mastication  
b) Sub-occipital triangle  
c) twinning
4. Attempt any five objective questions (any five) 05
  - (1) What is frey' syndrome
  - (b) Give lymphatic drainage of tip of the tongue
  - (c) Give branches of external carotid artery
  - (d) Give structures passing through foramen ovale
  - (e) what is mumps
  - (f) contents of pterygopalatine fossa

Section-B

- 4 Describe in detail posterior triangle of neck 10
5. Write short note on (any two) 10
  - (a) lingual nerve
  - (b) Histology of cartilage
  - (c) cavernous sinus
6. Write answer in two lines (any five ) 05
  - (a) Erb's paralysis occurs due to-----
  - (b) why is pain of tongue referred to lower teeth
  - (c) what is subclavian steal syndrome (d) What is cephalhaematoma
  - (e) what is Ludwig's angina ( f ) Give action of a) carotid sinus b) carotid body



Anatomy

Narsinhbhai Patel Dental COLLEGE & Hospital Visnagar

First Year BDS Examination 2013-2014  
3 hours

Total marks;100, Time

Instructions;-1. Write each section in a separate answer book

2. figures to the right indicates full marks

Section-I

Q.1 Write notes on (any two) 14 marks

1. Deep cervical fascia with applied anatomy 2. Carotid Triangle

3. Extracranial part of facial nerve

Q.2 write short notes (any five) 25 marks

1. Clinical anatomy of the Scalp 2 T. M. Joint 3. Otic ganglion 4. Internal jugular Vein

5. The chorda tympani 6. Common carotid artery 7. Liver

Q.3 Short question . questions/MCQ/Fill in the blank

1. Plasma cells secrete-----

2. The diameter of cardiac muscle is about-----

3. Lymphatic vessels are absent in 1. liver 2. brain 3. lung 4. uterus.

4. What is Bell's palsy

5. Sensory fibres from tongue are carried by all nerves except 1) V2 2) IX 3) VIII 4) X

6) What is the cause of thrombosis of the cavernous venous sinus.

7. Different parts of neurohypophysis 8. Name the type of human placentas

9. Nerve supply of the post 1/3 of tongue 10. Define bregma

11 Which cervical nerve is known as suboccipital nerve

12 Name the three type of cells present.

## SECTION-II

Q.4 Write notes on (any two) 16

1. Soft palate 2. Posterior triangle 3. Pituitary gland

Q.5 Write short note on any four 20

1. pancreas 2. Notochord 3. Coronary artery 4. histology of palatine tonsil

5. Histology of kidney

Q.6 A) Write any five 10

1. Name muscles of the auricle

2. Give connection between facial vein and cavernous sinus

3. Give the causes of torticollis

4. Give the ligaments of temporo-mandibular joint

5. Give the venous drainage of thyroid gland.

6. Which actions are done by trapezium muscle

B) MCQ/ Fill in the blanks any four 04

1. Where is the intervertebral disc absent

2. How many synovial joint cavities are there in median atlantoaxial joint

3. What is Waldeyer's ring 4. Which are structures forming bed of the tonsil

**First year B.D.S. Examination**

**January-2014**

**General Anatomy & Histology & Embrology**

Time: 3 Hours

Total Marks: 100

Instructions:

- 1 Use separate answer book for each section.
- 2 Draw diagrams where necessary.
- 3 Figures to the right indicate marks.

**SECTION-I**

1. Write notes in brief : (any two) 20
  1. Deep cervical fascia
  2. TMJ
  3. Cavernous sinus
2. Write short notes : (any four) 20
  1. Synovial joint
  2. Fibrous joint
  3. Blastocyst
  4. Histology of compact bone
  5. Spermatogenesis
  6. Histology of Hyaline cartilage
3. Answer in one or two sentences: (any five) 10
  1. Bregma
  2. Pterion
  3. lambda

4. Types of cartilage

(Contd...

5. Types of muscle

6. What is epicranial aponeurosis

## SECTION-II

1. Write notes in brief : (any two) 20
  1. Posterior Triangle
  2. Scalp
  3. Thyroid gland
2. Write short notes : (any four) 20
  1. Histology of Cardiac muscle
  2. Fibrous joint
  3. Ovulation
  4. Branches of External carotid artery
  5. Corpus Luteum
  6. Carotid Triangle
3. Answer in one or two sentences: (any five) 10
  1. Pneumatic bone
  2. Contents of Carotid Sheath
  3. End Artery
  4. Types of Neuroglia
  5. Define Anastomosis
  6. Nerve supply of sternocleidomastoid muscle

# NARSINHBHAI PATEL DENTAL COLLEGE , VISNAGAR

F.Y. B.D.S. EXAM

(Third Internal Exam)

SUB :- Human Anatomy Embryology & Histology

Time: 9.00 am to 12.00 pm

Total Marks: 100

Date: 04.06.2013

1) Draw diagram where ever necessary.

2) Figure on right indicates marks

## Section -A

Q-1. Describe Palatine Tonsil

16

Or

Describe Cavernous Sinus with proper diagram and applied anatomy.

Q-2. Write Short Notes on any four-

6×4

- a. Synovial Joint
- b. Histology of Pancreas
- c. Neuroglia
- d. Deltoid Muscle
- e. Bronchial tree
- f. Inferior Alveolar Nerve

Q-3. Answer any five-

5×2

- a. Name 6 extra ocular muscles.
- b. What do you mean by Implantation ?
- c. What is Pterion ? What is its importance?
- d. Write down Paranasal sinuses.
- e. Where is Apex beat located ?
- f. Name 2 communications of Eustachian tube .
- g. 1) Artery supplying heart is.....  
2) Total no. of cervical spinal nerves is .....

Section - B

Q-1 . Describe any two-

- a. Facial Nerve
- b. External carotid Artery
- c. Liver

8×2

Or

Describe T.M. Joint .

Q-2. Write short notes on any four-

- a. Waldeyer's Lymphatic ring
- b. Anastomosis
- c. Muscles of mastication
- d. Pterygopalatine ganglia
- e. Pharyngeal Arch
- f. Right Atrium.

6×4

Q-3 . Answer any five-

- a. What is Laparotomy ?
- b. Name types of Muscles .
- c. Name 2 Pneumatic Bones.
- d. Name 4 exocrine glands.
- e. Name 4 Female Internal genital organs.
- f. Name Facial muscle for expression of surprise.
- g. What is Spasm ?

5×2

# NARSINHBHAI PATEL DENTAL COLLEGE , VISNAGAR

F.Y. B.D.S. EXAM

(Third Internal Exam)

SUB :- Human Anatomy Embryology & Histology

Time: 9.00 am to 12.00 pm

Total Marks: 100

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1) Draw diagram where ever necessary.

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## Section -A

Q-1. Describe Palatine Tonsil

16

Or

Describe Cavernous Sinus with proper diagram and applied anatomy.

Q-2. Write Short Notes on any four-

6×4

- a. Synovial Joint
- b. Histology of Pancreas
- c. Neuroglia
- d. Deltoid Muscle
- e. Bronchial tree
- f. Inferior Alveolar Nerve

Q-3. Answer any five-

5×2

- a. Name 6 extra ocular muscles.
- b. What do you mean by Implantation ?
- c. What is Pterion ? What is its importance?
- d. Write down Paranasal sinuses.
- e. Where is Apex beat located ?
- f. Name 2 communications of Eustachian tube .
- g. 1) Artery supplying heart is.....  
2) Total no. of cervical spinal nerves is .....

Section - B

Q-1 . Describe any two-

8×2

- a. Facial Nerve
- b. External carotid Artery
- c. Liver

Or

Describe T.M. Joint .

Q-2. Write short notes on any four-

6×4

- a. Waldeyer's Lymphatic ring
- b. Anastomosis
- c. Muscles of mastication
- d. Pterygopalatine ganglia
- e. Pharyngeal Arch
- f. Right Atrium.

Q-3 . Answer any five-

5×2

- a. What is Laparotomy ?
- b. Name types of Muscles .
- c. Name 2 Pneumatic Bones.
- d. Name 4 exocrine glands.
- e. Name 4 Female Internal genital organs.
- f. Name Facial muscle for expression of surprise.
- g. What is Spasm ?



**NARSINHBHAI PATEL DENTEL COLLEGE,VISNAGER**  
**F.Y. B.D.S. EXAM**

**(Second Internal Exam)**

**SUB:- General Anatomy & Histology**

**Time: 11.30am to 1.30 pm**

**Total marks:50**

**Date: 13/03/13**

**1) Draw diagram where ever necessary**

**2) Figure on Right indicate marks**

**Q-1 Write boundaries and sub-divisions of anterior triangle of neck and describe carotid Triangle**

**6+10**

**or**

**Describe soft palate with diagram under following heads**

**6+6+4**

**1. External features and location**

**2. Muscles and nerve supply**

**3. Movements and functions**

**Q-2 Write Short notes on any four**

**6×4**

**1. Placenta**

**2. Microscopic structure of compact bone**

**3. Root of lung**

**4. Kidney**

**5. Facial nerve**

**6. Salivary glands**

**Q-3 Answer any five**

**2×5**

**1 Where is Apex beat located ?**

**2 Show four parts of fallopian tube by diagram**

**3.Root value of Cervical plexus and Brachial plexus**

**4.Name four exocrine glands**

**5.Name all arteries supplying blood to the brain**

**6.What is mediastinum ?**

**7.Write origin and insertion of Temporalis**

**8.Name three type of cells in islet of Langerhans with their secretions**

**NARSINHBHAI PATEL DENTAL COLLEGE,VISNAGER**

**F.Y. B.D.S. EXAM**

**(Third Internal Exam)**

**SUB:- General Anatomy & Histology**

**Time: 10.00 to 1.00**

**Total marks:100**

**Dt: 4/6/12**

**Instructions**

- 1) Draw diagram where ever necessary
- 2) Figure on Right indicate marks
- 3) Use separate answer book for each section

**SECTION-1**

- Q-1 Write notes on (Any two) 20
- 1) Mandibular Nerve
  - 2) Scalp
  - 3) Temporal fossa
- Q-2 Write Short notes on (Any Four) 20
- 1) Anastomosis
  - 2) Synovial Joint
  - 3) Maxillary artery
  - 4) Palatine Tonsil
  - 5) Lateral pterygoid muscle
- Q-3 Answer in one or two sentences 10
- 1) Name the Branches of External carotid artery.
  - 2) Define Frontanella and give its importance.
  - 3) Mention Contents of carotid sheath.
  - 4) Nerve supply of tongue.
  - 5) Median cubital vein.
  - 6) Nerve supply of digestic muscle.

**SECTION -2**

- Q-1 Write notes on (Any two) 20
- 1) Stomach
  - 2) Temporo Mandibular joint.
  - 3) Parotid gland
- Q-2 Write Short notes on (Any Four) 20
- 1) Deltoid muscle
  - 2) Histology of Liver
  - 3) Bronchial arch
  - 4) Placenta
  - 5) Columnner epithelium.
- Q-3 Answer in one or two sentences 10
- 1)Mention stages of meiotic division.
  - 2) Give nerve supply of soft palate.
  - 3) Give name of the Ligaments of spleen.
  - 4) Give name of germ layers.
  - 5) Ligament
  - 6) Give name of the supports of uterus.

# NOOTAN DENTAL COLLEGE & HOSPITAL

## F. Y. B.D.S. PRELIM EXAM

### GENERAL HUMAN ANATOMY & HISTOLOGY

(Time : 3 Hours )

Date : 6/5/2011

Total Marks : 100

Instruction : 1) Use separate Answer Book for each section.

2) Draw Diagrams Wherever necessary.

3) Figure to the Right indicate Full Marks.

### SECTION – 1

- |  |    |
|--|----|
| 1. Write Notes On : (any Three)                  | 24 |
| 1. Temporomandibular joint.                      |    |
| 2. Deep Cervical Fascia.                         |    |
| 3. Infrahyoid muscle.                            |    |
| 4. Parts of Pharynx.                             |    |
| 2. Write Short Notes On : (any Four)             | 20 |
| 1. Lateral Nasal Wall.                           |    |
| 2. Submandibular Gland.                          |    |
| 3. Facial Nerve.                                 |    |
| 4. Middle Meningeal Artery.                      |    |
| 5. Anterior Triangle of neck.                    |    |
| 3. Answer in One or Two Sentences : ( any Six )  | 06 |
| 1. What is C. A. G. ?                            |    |
| 2. Name the muscles supplied by Ansa Cervicalis. |    |
| 3. What is mumps ?                               |    |
| 4. Nerve supply of scalene muscle.               |    |
| 5. Define Cleavage.                              |    |
| 6. What is Black Eye ?                           |    |
| 7. Mention only Branches of Mandibular Nerve.    |    |

## SECTION – 2

4. Write Notes on : ( any Three ) 24
1. Liver.
  2. Rt. Ventricle.
  3. Infratemporal Fossa.
  4. Trigeminal Nerve.
5. Write Short On : ( any Four ) 20
1. Oesophagus.
  2. Histology of Cartilage.
  3. Embreonic Disc.
  4. Autonomic Nervous System.
  5. Histology of Stomach.
6. Answer in one or Two Sentences. (any Six ) 06
1. Name the types of Placenta.
  2. Nerve supply of muscles of mastication.
  3. Give the examples of Sesamoid bone.
  4. Mention the parts of styloid apparatus.
  5. What is Gastrosocopy ?
  6. Name the type of Muscle.
  7. What is End Artery?



**NARSINHBHAI PATEL DENTEL COLLEGE,VISNAGER**

**F.Y. B.D.S. EXAM**

**(Second Internal Exam)**

**SUB:- General Anatomy & Histology**

**Time: 10.00 to 12.00**

**Total marks:50**

**Dt: 13/4/12**

**Instructions**

- 1) Draw diagram where ever necessary
- 2) Figure on Right indicate marks

**Q\_1 Write notes on (Any two) (12)**

- 1) Paratid gland
- 2) Temporomandibular joint
- 3) Anterior Triangle of Neck

**Q-2 Write notes on (Any four) (16)**

- 1) Pharynx
- 2) Muscles of Mastication
- 3) Thyroid gland
- 4) Subclavian artery
- 5) Intratemporal fossa

**Q-3 Write Short notes on (Any four) (16)**

- 1) Histology of Stomach
- 2) Fibrocartilage
- 3) External carotid artery and its branches
- 4) Ansa cervicalis
- 5) Cricothyroid muscle

**Q-4 Answer in one or two sentences (Any six) (6)**

- 1) Define Neurone
- 2) Example of short bones
- 3) Types of Neuroglia
- 4) Give Name of 2 muscles supplied by Accessory nerve
- 5) Give Nerve supply of soft palate
- 6) Name of papillae of tongue
- 7) Attachments of styloid process
- 8) What is sialography ?

**NOOTAN DENTAL COLLEGE & HOSPITAL, VISNAGAR**  
**FIRST YEAR BDS EXAMINATION**

**SUBJECT:- GENERAL HUMAN ANATOMY&HISTOLOGY**

**Time:- 3 hrs**

**Date:-4/1/11**

**Marks-50**

**Instruction: 1) Draw diagram whenever necessary**  
**2) Figure on the right indicate full marks**

- |   |    |
|---|----|
| Q.1 Writes notes on (any two)                       | 14 |
| 1) Parotid gland                                    |    |
| 2) Scalp  |    |
| 3) Maxillary artery                                 |    |
| Q.2 Writes Short notes on (any four)                | 16 |
| a) Histology of Tonsil                              |    |
| b) ground bone                                      |    |
| c) Fibrous Joint                                    |    |
| d) Spermatogenesis                                  |    |
| e) Neuroglia  |    |
| f) Mitosis  |    |
| Q.3 Write notes on (any two)                        | 14 |
| 1) Tongue   |    |
| 2) Cavernous Sinus                                  |    |
| 3) Lateral pterygoid muscle                         |    |
| Q.4 Answer in one or two sentences (any six)        | 06 |
| 1) Name the layers of Transitional Epithelium.      |    |
| 2) Give Example of Holocrine gland                  |    |
| 3) Define ganglia                                   |    |
| 4) Give the nerve supply of muscles of soft palate. |    |
| 5) What is Bell's palsy                             |    |
| 6) Give parts of Temporal bone                      |    |
| 7) Define ossification                              |    |
| 8) Give content of carotid sheath                   |    |

# Narainbhai Patel Dental College & Hospital Visnagar

## Preliminary Exams

Date - 13.10.2011. Anatomy Time.

### Section 1.

Q. 1. Describe the location, external features and nerve supply of Parotid gland. 16

Q. 2. Write short notes on any 4 of the following - 20

- a. Paranasal Air sinuses
- b. Muscles of Mastication
- c. Palatine tonsil
- d. Internal jugular vein.
- e. synovial joints.

Q. 3. Answer in one or two sentences - (any seven) 14

- a. Name Neuroglial cells.
- b. What is torticollis?
- c. Action of Sternocleidomastoid muscle.
- (d) Name layers of epidermis of skin.
- (e) Name cartilages of 1st Arch.
- (f) Parts of small intestine (g) Types of muscles
- (h) Name 3 branches of Trigeminal nerve.

P.T.O. →

## Section - B,

Q. 1. Describe the Anatomy of scalp and give its (16.)  
clinical Importance.

Or

Q. 2. Describe the location, parts, relations and  
applied Anatomy of Pancreas.

Q. 3. Write short notes on any 4. -

20

a. Histology of Liver

b. Simple Squamous Epithelium

c. Corpus Luteum

d. Development of Palate.

e. Kidney.

Q. 3. Answer any 7 in one or Two sentences - 14.

a. What is Sternal Angle?

b. Name 6 layers of Abdominal wall.

c. Structures forming root of lung

d. What is median plane?

e. What is Pterion?

f. What is Anatomical position?

g. What is thoracic duct?

h. Name 4 & 2 dural venous sinuses

Thanks



Candidate Seat No.....

**NOOTAN DENTAL COLLEGE & HOSPITAL, VISNAGAR, NORTH  
GUJ.**

**Anatomy Department**

**1<sup>st</sup> Internal Exam – General Anatomy, Head & neck,  
General Histology & General Embryology**

**Friday, Date: 07-12-2007**

**Time: 9.00am - 12.00am**

**Total Marks: 100**

- Instructions:** 1. Use separate answer book for each section.  
2. Figures to the right indicate full marks.  
3. Neat presentation and diagrams will be appreciated.

**SECTION – I**

**Q-1 Describe the muscles of mastication & their role in mandibular movement. (14)**

**Q-2 write short notes on any two. (2x9=18)**

- a. sternocleidomastoid muscle.
- b. carotid triangle
- c. cavernous sinus

**Q-3. write short notes on any three. (6x3=18)**

- a. Deep fascia
- b. synovial joint
- c. Anastomosis
- d. ossification

**SECTION – II**

**Q-4 Describe the extra-ocular muscles of eye ball. (14)**

**Q-5 write short notes on any three. (6x3=18)**

- a. Facial nerve
- b. Trigeminal ganglion
- c. Spermatogenesis
- d. Notochord *Gonadophorus follicle.*

**Q-6. write short notes on any three (6x3=18)**

- a. Transitional epithelium
- b. Cardiac muscle
- c. Neuron
- d. Ovulation

17  
✓

**Nootan Dental College & Hospital, Visnagar**  
**Preliminary Examination**  
**General Anatomy, Histology & -Embryology**  
**First BDS**

Date : 12/04 2008

Time : 9.30am to 12.30 pm

**Instructions :**

1. Use separate answer book for each section
2. Draw diagrams wherever necessary
3. Figures to the right indicate full marks

**Section – I**

1. Describe the deep cervical fascia of neck. Give its applied anatomy. (17)
2. Write short notes on: (Any two) (9x2=18)
  - a. Cavernous sinus
  - b. Hyoglossus muscle
  - c. Palatine tonsil
3. Write short notes on: (Any three) (5x3=15)
  - a. Fibrous joints
  - b. Internal jugular vein
  - c. Synergist
  - d. Neuron

**Section- II**

4. Describe anatomy, histology and development of thyroid gland (17)
5. Write short notes on: (Any two) (9x2=18)
  - a. Liver
  - b. Uterus
  - c. Right atrium
6. Write short notes on: (Any three) (5x3=15)
  - a. Development of face
  - b. Graafian follicle
  - c. Histology of compact bone
  - d. Histology of stomach

21

Candidate Seat No.....

**NOOTAN DENTAL COLLEGE & HOSPITAL, VISNAGAR,**  
**NORTH GUJ.**

**Anatomy Department**

**1<sup>st</sup> Internal Exam – General Anatomy, Head & neck,  
General Histology & General Embryology**

**Friday, Date: 09-03-2007**

**Time: 9.00am - 11.00am**

**Total Marks: 50**

**Instructions:** 1. Use separate answer book for each section.  
2. Figures to the right indicate full marks.  
3. Neat presentation and diagrams will be appreciated.  
4. Write legibly.

**Q-1 Writes brief note on any one out of two (1x16=16)**

1. Describe in brief anatomy and development of palate.

**OR**

1. Describe anatomy of "Temporo-Mandibular Joint". Discuss various Movements of mandible at T-M joint.

**Q-2 Writes brief note on any one out of two (1x16=16)**

2. Enumerate Para nasal air sinuses. Describe maxillary air sinus in detail.  
Discuss its applied anatomy in brief.

**OR**

2. Describe gross and clinical anatomy of thyroid gland.

**Q-3. Write short notes on any three (3x6=18)**

1. Histology of Hyaline Cartilage.
2. submandibular Ganglion
3. Graffian follicle.
4. Lymphatic drainage and nerve supply of tongue.
5. Microscopic structure of skeletal muscles

**NOOTAN DENTAL COLLEGE & HOSPITAL, VISNAGAR**  
**PRELIMINARY EXAMINATION**  
**F.Y.B.D.S. (REPEATER BATCH)**  
**ANATOMY**

**DATE : 20/8/08**

**TIME : 3 HOURS**

- Instructions : 1. Use separate answer book for each section.  
2. Figures to the right indicate full marks.  
3. Draw diagrams wherever necessary.  
4. Write legibly.

**SECTION - I**

- Q – 1. Describe origin, central connections, course, distribution & clinical anatomy of facial nerve. (17)
- Q – 2. Write short notes. (Any two) (18)
1. Posterior triangle of neck
  2. Lateral pterygoid muscle
  3. Maxillary air sinus
- Q – 3. Write short notes. (Any three) (15)
1. Tendon
  2. Synovial joint
  3. Neuron
  4. Collateral circulation

**SECTION – II**

- Q – 4. Describe parotid salivary gland. Give its blood supply, nerve supply & applied anatomy. (17)
- Q – 5. Write short notes. (Any two) (18)
1. Left ventricle of heart
  2. Testis
  3. Pancreas
- Q – 6. Write short notes. (Any three) (15)
1. Primitive streak
  2. Development of tongue
  3. Transitional epithelium
  4. Histology of liver

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**NOOTAN DENTAL COLLEGE & HOSPITAL, VISNAGAR**  
**PRELIMINARY EXAMINATION**  
**F.Y.B.D.S. (REPEATER BATCH)**  
**ANATOMY**

**DATE : 20/8/08**

**TIME : 3 HOURS**

Instructions : 1. Use separate answer book for each section.

2. Figures to the right indicate full marks.

3. Draw diagrams wherever necessary.

4. Write legibly.

**SECTION - I**

- Q – 1. Describe origin, central connections, course, distribution & clinical anatomy of facial nerve. (17)
- Q – 2. Write short notes. (Any two) (18)
1. Posterior triangle of neck
  2. Lateral pterygoid muscle
  3. Maxillary air sinus
- Q – 3. Write short notes. (Any three) (15)
1. Tendon
  2. Synovial joint
  3. Neuron
  4. Collateral circulation

**SECTION – II**

- Q – 4. Describe parotid salivary gland. Give its blood supply, nerve supply & applied anatomy. (17)
- Q – 5. Write short notes. (Any two) (18)
1. Left ventricle of heart
  2. Testis
  3. Pancreas
- Q – 6. Write short notes. (Any three) (15)
1. Primitive streak
  2. Development of tongue
  3. Transitional epithelium
  4. Histology of liver

# Nootan Dental College and Hospital, Visnagar.

## Anatomy Department

**1<sup>st</sup> Internal Exam – General Anatomy, Head & neck & Histology**

**Date:** 9-01-2009

**Time:** 8:30 am – 10:00 am

**Day:** Friday

**Total Marks:** 50

- Instructions:**
1. Be brief and to the point.
  2. Draw diagrams wherever necessary.
  3. Write both sections in separate answer sheets.

**Q-1.** Describe the gross anatomy of parotid gland briefly. (12)

**OR**

**Q-1.** Describe anatomy of “Temporo-Mandibular Joint”. Discuss various movements of mandible at T-M joint.

**Q-2. Write brief notes on....** (any two) (2x8=16)

- a. Suboccipital triangle.
- b. Maxillary artery.
- c. Infratemporal fossa.

**Q-3. write short notes on....** (any four) (4x4=16)

- a. Anastomosis
- b. Histology of Transitional epithelium.
- c. Histology of liver.
- d. Spermatogenesis.
- e. Ovulation.

**Q-4. Objectives (any six)** (6)

1. Define neuron.
2. Give two example of the pneumatic bone.
3. Mention only stages of meiotic division.
4. Mention only branches of mandibular nerve.
5. What is black eye?
6. Name the muscles supplied by spinal accessory nerve.
7. Mention the attachment of styloid process of temporal bone .
8. What is sialography?

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**NOOTAN DENTAL COLLEGE AND HOSPITAL, VISNAGAR.  
NORTH GUJARAT.**

Preliminary Exam. -

**FIRST B.D.S. EXAMINATION****General Human Anatomy including Histology – Total - 80 Marks**Monday, 21<sup>st</sup> May, 2007)

(Time: 9-00 a.m. to 12.00 p.m.)

**Instructions:**

1. Use separate answer-book for each section.
2. Draw diagrams wherever necessary.
3. Figures to the right indicate full marks

**SECTION I**

1. Discuss anatomy of infra-temporal fossa. 14.
2. Write briefly about (any two) 14.
  - a. Interior of larynx
  - b. Carotid triangle
  - c. Sternocleidomastoid muscle
3. Write short notes on (any three) 12.
  - a. End artery
  - b. Deep fascia
  - c. Synovial joint
  - d. Cartilage.

**SECTION II**

4. Enumerate dural venous sinuses. Describe cavernous sinus in detail 14.
5. Write briefly about (any two) 14.
  - a. Hilum of Rt. Lung
  - b. Uterus
  - c. Spleen
6. Write short notes on (any three) 12.
  - a. Development of tongue.
  - b. Notochord.
  - c. Microscopic structure of cardiac muscle.
  - d. Histology of liver