

MANIPAL UNIVERSITY

FIRST BDS DEGREE EXAMINATION – JUNE 2009

SUBJECT: GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY (ESSAY)
(OLD REGULATION)

Friday, June 12, 2009

Time: 14:20 – 17:00 Hrs.

Maximum Marks: 80

1. Describe the Parotid gland under the following headings:

- 1A. Surfaces & borders
- 1B. Relations and structures within it
- 1C. Secretomotor nerve supply
- 1D. Development
- 1E. Applied aspects
- 1F. Microscopic structure of parotid gland.

(2+4+2+2+2+3 = 15 marks)

2A. Name the constrictor muscles of the Pharynx.

2B. Describe the palatine tonsil under the following headings:

- i) Location
- ii) Relations
- iii) Blood supply
- iv) Development
- v) Microscopic structure

(1+(2+4+2+3+3) = 15 marks)

3. Write short notes on:

- 3A. Interior of larynx
- 3B. Hyoid bone
- 3C. Medial wall of middle ear
- 3D. Chorda tympani nerve
- 3E. Down's syndrome
- 3F. Periosteum
- 3G. Chorion
- 3H. Development of pituitary gland
- 3I. Histology of bone
- 3J. Microscopic structure of lymph node.

(5×10 = 50 marks)



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Friday, June 12, 2009

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

- ✍ **All questions are compulsory. Write brief, clear, relevant and legible answers.**
- ✍ **Illustrate your answers with diagrams and flow-charts wherever appropriate.**

1. Describe the extra-ocular muscles under the following headings: attachments, nerve supply, actions and applied aspects.

(3+2+3+2 = 10 marks)

2. Describe the parotid gland under the following headings: surfaces and borders, relations, nerve supply and parotid duct.

(3+3+2+2 = 10 marks)

3. Write short notes on:

3A. Microscopic structure of medium sized artery.

3B. Microscopic structure of thyroid gland.

3C. Down's syndrome.

3D. Blood supply of long bone.

3E. Development of palate and its anomalies.

3F. Oogenesis

3G. Maxillary sinus.

3H. Auditory tube.

3I. External jugular vein.

3J. Nerve supply of tongue.

(4×10 = 40 marks)



MANIPAL UNIVERSITY**FIRST BDS DEGREE EXAMINATION – DECEMBER 2009****SUBJECT: GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY (ESSAY)
(OLD REGULATION)**

Friday, December 04, 2009

Time: 14:20 – 17:00 Hrs.

Maximum Marks: 80

1. Describe the cavernous sinus under the following headings

- 1A. Position
- 1B. Relation
- 1C. Tributaries
- 1D. Applied aspects

(2+6+5+2 = 15 marks)

2. Describe the thyroid gland under the following headings

- 2A. Position and extent
- 2B. Coverings
- 2C. Relations
- 2D. Blood supply
- 2E. Histology

(2+2+4+4+3 = 15 marks)

3. Write short notes on:

- 3A. Nasopharynx
- 3B. Implantation
- 3C. Down's syndrome
- 3D. Lateral pterygoid muscle
- 3E. External jugular vein
- 3F. Histology of Palatine Tonsil
- 3G. Typical synovial joint
- 3H. Facial artery on face
- 3I. Histology of large artery
- 3J. Development of tongue

(5×10 = 50 marks)



MANIPAL UNIVERSITY**FIRST BDS DEGREE EXAMINATION – DECEMBER 2009****SUBJECT: GENERAL ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY (ESSAY)
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Friday, December 04, 2009

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ Draw neat labeled diagram wherever necessary.

1. Describe the extraocular muscles giving their attachments, nerve supply and actions.
(4+2+4 = 10 marks)

2. Describe the Palatine tonsil under

2A. Position and relations

2B. Blood supply

2C. Applied anatomy

(5+3+2 = 10 marks)

3. **Write short notes on:**

3A. Microscopic structure of mucous salivary gland

3B. Lateral pterygoid

3C. Nasal septum – Blood supply

3D. Karyotyping

3E. Microscopic structure of oesophagus

3F. Development of face

3G. Styloid process

3H. Spermatogenesis

3I. Blood supply of thyroid gland

3J. Fibrous joint

(4×10 = 40 marks)

