

Rajiv Gandhi University of Health Sciences, Karnataka

B.D.S Degree Examination 19-Nov-2020

HUMAN ANATOMY INCLUDING EMBRYOLOGY, OSTEOLOGY AND HISTOLOGY

LONG ESSAYS

1. Describe Parotid Gland under the following headings: (Aug 2017)

a) Situation b) Relations c) structures within the Gland d) Secretomotor Pathway e) Applied Anatomy

2. Describe Tongue under the following headings: (June 2016)

a) Gross features b) Nerve supply c) Lymphatic Drainage d) Development

SHORT ESSAYS

3. Microscopic Anatomy of Thymus- explain with labeled diagram.

4. Sphenoidal Air Sinus - boundaries, relations and applied Anatomy.

5. Digastric Triangle boundaries and contents.

6. Derivatives of Second Pharyngeal Arch.

7. Parts and branches of Maxillary Artery.

8. Dangerous layer of Scalp and its applied Anatomy.

9. Submandibular Ganglion- situation, roots and branches.

10. Orbicularis Oculi -parts, nerve supply and action.



SHORT ANSWERS

11. Name any four Muscles supplied by Recurrent Laryngeal Nerve.

12. Name the structures passing through Foramen Ovale.

13. Labeled diagram of Histology of Trachea.

14. Development of Upper Lip.

15. Pharyngobasilar Fascia.

Rajiv Gandhi University of Health and Sciences, Karnataka

I BDS Degree examination PHYSIOLOGY

LONG ESSAYS

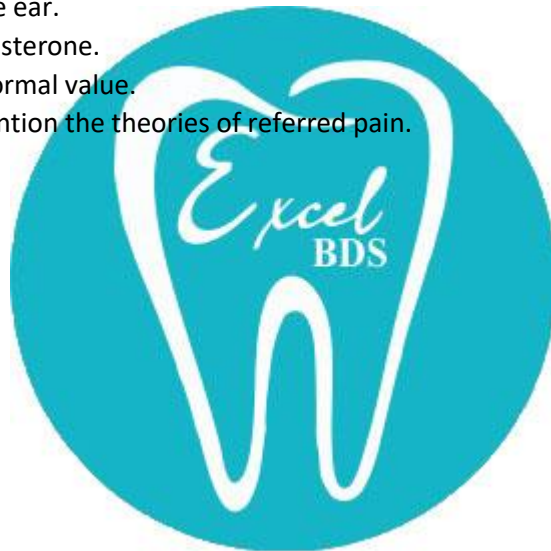
1. Name the hormones of posterior pituitary. Explain the functions of each of them. Mention the features of Diabetes insipidus.

SHORT ESSAYS

2. Explain second phase of deglutition.
3. Describe oxygen hemoglobin dissociation curve. List the factors affecting it.
4. Explain the Intrinsic mechanism of coagulation.

SHORT ANSWERS

5. List the functions of middle ear.
6. Mention functions of testosterone.
7. Define GFR. Mention its normal value.
8. What is Referred pain. Mention the theories of referred pain.
9. Draw and label ECG.



Rajiv Gandhi University of Health and Sciences, Karnataka

I BDS Degree examination BIOCHEMISTRY

LONG ESSAYS

1. Describe Citric acid cycle (TCA cycle). Add a note on its energetics.

SHORT ESSAYS

2. Biochemical functions and deficiency manifestations of Vitamin C.
3. Renal regulation of acid base balance.
4. Biologically important compounds formed from Phenyl alanine and tyrosine.

SHORT ANSWERS

5. Fluorosis.
6. Dietary fibers.
7. Essential fatty acids.
8. mRNA.
9. Mention the normal serum levels of:-
 - ~ Phosphorus.
 - ~ Alkaline phosphatase.



Rajiv Gandhi university of health and sciences Karnataka

I BDS Degree examination

HUMAN ORAL AND DENTAL ANATOMY, EMBRYOLOGY, PHYSIOLOGY AND HISTOLOGY.

LONG ESSAY (2 X 10 = 20M)

1. Classify salivary glands. Write in detail the ductal system.
2. Describe in detail the morphology of mandibular 1st premolar. Add a note on its chronology

SHORT ESSAY (8 X 5=40M)

- 3 Dead tracts and sclerotic dentine.
4. Age changes in Enamel.
5. Principle fibers of periodontal ligament.
6. Theories mineralization.
7. Functions and histology of maxillary sinus.
8. Histo-physiological stages of tooth development.
9. Development of tongue.
10. Dento-gingival junction.



SHORT ANSWERS (5X2=10M)

11. Non-Keratinocytes.
12. Hyaline layer of Hopewell Smith.
13. Enamel spindle.
14. Meckel's cartilage.
15. Cingulum.