

Rajiv Gandhi University of Health Sciences, Karnataka

B.D.S Degree Examination – JUNE-2019

I Year (RS3 Only)

II Year (OS, RS & RS2 Only)

Max. Marks: 70 Marks

Time: Three Hours

Human Oral & Dental Anatomy, Embryology, Physiology & Histology

Code: 1181

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

2 X 10 = 20 Marks

LONG ESSAY

1. Describe the fibers of periodontal ligament and write about the synthetic and resorptive cells of periodontal ligament.
2. Describe in detail morphology of permanent mandibular first molar.

8 X 5 = 40 Marks

SHORT ESSAY

3. Write in brief about non-keratinocytes.
4. Discuss layers in keratinized epithelium.
5. Transient structures of tooth development.
6. Write in brief about lingual aspect of permanent mandibular canine.
7. Describe types of cements-enamel junction.
8. Discuss the age changes of pulp.
9. Write in brief histology of temporomandibular joint.
10. Discuss theories of dentin hypersensitivity.

SHORT ANSWERS

5 X 2 = 10 Marks

11. Write in brief about Resting and Reversal lines.
12. Enumerate the functions of maxillary sinus.
13. Draw well labelled diagram of enamel lamellae and tufts.
14. Write in brief about "Curve of spee".
15. Define Cingulum and fossa.

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I B.D.S Degree Examination - JUNE-2019

Max. Marks: 35 Marks

Time: Three Hours

Human Physiology

Q.P. CODE: 1179

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1179 and 1180 are to be, answered within total duration of three hours)

LONG ESSAYS

1. Explain the Intrinsic mechanism of coagulation. What is hemophilia?

1 x 10 = 10 Marks

(8+2)

SHORT ESSAYS

2. Explain functions of growth hormone.
3. Describe the mechanical events of cardiac cycle.
4. Define and describe the different types of hypoxia.

3 x 5 = 15 Marks

SHORT ANSWERS

5. List the functions of saliva.
6. Name the muscle proteins.
7. What is Myopia? How it is corrected?
8. Neuroglia
9. Define ESR.

5 x 2 = 10 Marks

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I B.D.S Degree Examination - JUNE-2019

Time: Three Hours

Max. Marks: 35 Marks

BIOCHEMISTRY, NUTRITION & DIETICS

Q.P. CODE: 1180

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1179 and 1180 are to be, answered within total duration of three hours)

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe beta oxidation of saturated fattyacids (Palmitic acid). Write a note on energetic of palmitic acid.

SHORT ESSAYS

3 x 5 = 15 Marks

2. What are co enzymes? Illustrate their role in metabolism with example.
3. Describe primary and secondary protein structure.
4. Wald's visual cycle

SHORT ANSWERS

5 x 2 = 10 Marks

5. Kwarshiorkar
6. Mention the hormones involved in blood glucose regulation.
7. Essential fattyacid
8. Mention four essential aminoacids.
9. Dietary fibers. Mention two examples.

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I B.D.S Degree Examination - JUNE-2019

Max. Marks: 70 Marks

Time: Three Hours

HUMAN ANATOMY INCLUDING EMBRYOLOGY, OSTEOLOGY AND HISTOLOGY

Q.P. CODE: 1178 (RS3)

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Describe the commencement, course, termination and branches of external carotid artery.
2. Describe the Cavernous Sinus under the following headings:
 - a) Situation
 - b) Relations
 - c) Communications
 - d) Tributaries
 - e) Applied Anatomy

SHORT ESSAYS

8 x 5 = 40 Marks

3. Mention the midline structures of neck
4. Microscopic anatomy of Spleen – explain with labeled diagram
5. Derivatives of first pharyngeal arch
6. Boundaries and contents of Infra temporal fossa
7. Name the Muscles of tongue, their nerve supply and action
8. Branches of maxillary artery
9. Falx Cerebri
10. Formation, blood supply and nerve supply of Nasal septum

SHORT ANSWERS

5 x 2 = 10 Marks

11. Auditory tube
12. Boundaries and applied aspects of Piriform fossa
13. Bones forming the orbital cavity
14. Formation and contents of Carotid sheath
15. Medial Pterygoid muscle
