

HUMAN ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY (Old Scheme)

QP Code: 1101

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

LONG ESSAY

2 X 10 = 20 Marks

1. Describe the extent, layers, blood supply, nerve supply and applied anatomy of scalp.
2. Mention the muscles of mastication and describe the lateral pterygoid in detail.

SHORT ESSAY

6 X 5 = 30 Marks

3. Give the boundaries, relations and applied anatomy of maxillary air sinus
4. Give the attachment, nerve supply and actions of superior constrictor muscle
5. Describe the origin course and distribution of auriculotemporal nerve
6. Describe the extra cranial course of facial nerve
7. Give the development of tongue
8. Describe the origin, insertion, nerve supply and action of temporalis muscle

SHORT ANSWERS

10 X 2 = 20 Marks

9. Mention the derivatives of 3rd pharyngeal arch
10. Mention the muscles supplied by the oculomotor nerve in the orbit
11. Give the sensory nerve supply of tongue
12. Mention any four structures passes through superior orbital fissure
13. Give the histological structures of large vein
14. Mention the structures forms nasal septum
15. Mention the nerves forming pharyngeal plexus
16. Mention the muscles acting on the vocal cord
17. Mention the blood supply of thyroid gland
18. Give the histological structures of hyaline cartilage

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Rajiv Gandhi University of Health Sciences, Karnataka

I year BDS Degree Examination – August 2006

Time : 3 Hours

Max Marks : 70 Marks

Human Physiology and Biochemistry (Old scheme)

Your answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary. Use separate answer books for section A and section B.

QP Code : 1102 - Section A : Human Physiology [40 marks]**LONG ESSAY****1 X 10 = 10 Marks**

1. Describe the origin and conduction of the cardiac impulse. Indicate which special properties of cardiac muscle are important for this function.

SHORT ESSAY**4 X 5 = 20 Marks**

2. Discuss blood groups
3. Discuss artificial respiration
4. Describe the pain pathway from face
5. Mention the names and actions of posterior pituitary hormones

SHORT ANSWERS**5 X 2 = 10 Marks**

6. Stretch reflex
7. Role of rennin in the regulation of blood pressure
8. Describe the taste pathway
9. Discuss the composition and mode of action of the female contraceptive pill
10. Mention the proteolytic enzymes present in the pancreatic

QP Code : 1103 - Section B : Bio-Chemistry [30 marks]**LONG ESSAY****1 X 8 = 8 Marks**

1. Describe β - oxidation of palmitic acid and its energetics.

SHORT ESSAY**3 X 4 = 12 Marks**

2. Classify proteins based on functions with two examples for each. Add a note on Isoelectric pH of proteins
3. Write the nutritional importance of dietary fiber. Explain briefly about balanced diet
4. Write the sources, requirement, functions and deficiency manifestations of vitamin D

SHORT ANSWERS**5 X 2 = 10 Marks**

5. Fluorosis
6. Enzymes lose their biological activity on boiling. Explain
7. Write the reactions by which ammonia is formed
8. Write two reactions in which niacin is used as a coenzyme
9. Name any two disaccharides and their composition

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Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination - August 2006

Time: 3 Hrs.

[Max. MARKS : 70]

DENTAL MATERIALS (Old Scheme)

QP Code: 1104

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

LONG ESSAY

2 X 10 = 20 Marks

1. Classify dental cements. Write down composition, advantages and uses of glass ionomer cements.
2. Classify denture base materials. Discuss in detail differences between heat cure and self-cure acrylic resins.

SHORT ESSAY

6 X 5 = 30 Marks

3. Condensation of porcelain
4. Impression compound
5. Drawbacks of alginate impression material
6. Admixed alloy
7. Castable ceramics
8. Casting defects in brief

SHORT ANSWERS

10 X 2 = 20 Marks

9. Karat and fineness
10. Biocompatibility
11. Strength
12. Creep and flow
13. Composition of blue inlay wax
14. Dental implant material
15. Sprue
16. Welding
17. Dental bur
18. High copper alloy

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