

Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination - June / July 2011

Time: 3 Hrs.

[Max. Marks: 70]

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 situation, formation, relations and tributaries of cavernous sinus and add a note on its clinical importance
2. Give an account of the position, relations, blood supply and development of palatine tonsils. Add a note on its applied anatomy

SHORT ESSAY

6 X 5 = 30 Marks

3. Give the parts, origin, insertion, nerve supply and action of Orbicularis oculi muscle
4. Give the development of palate and associated anomalies
5. Describe the right atrium of heart
6. Describe the floor of fourth ventricle
7. Give the attachment, nerve supply and actions of masseter muscle
8. Describe the Broncho pulmonary segment

SHORT ANSWERS

10 X 2 = 20 Marks

9. Give the formation and termination of anterior facial vein
10. Define Notochord
11. Mention any four muscles of tongue
12. Name the layers of Scalp
13. Mention the paranasal air sinuses opening into superior meatus of nose
14. Name any four muscles derived from first branchial arch
15. Name any four processes of maxilla
16. Name any four structures related to medial surface of thyroid gland
17. Give the histological features of skeletal muscle
18. Give the persistent structures of fibrous envelope of Meckel's cartilage

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I year BDS Degree Examination – June / July 2011

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. List the hormones of the posterior pituitary and describe their actions

SHORT ESSAY

4 X 5 = 20 Marks

2. What is a synapse? Describe the structure of a neuron with diagram
3. Explain pacemaker potential
4. Describe the movements of the stomach
5. Explain the digestion and absorption of fats

SHORT ANSWERS

5 X 2 = 10 Marks

6. List the functions of oestrogen
7. What is visual area and auditory area?
8. What are the permanent methods of family planning?
9. List the mode of action of hormones
10. What is myopia?

QP Code : 1103 - Section B : Bio-Chemistry [30 marks]

LONG ESSAY

1 X 8 = 8 Marks

1. Describe Glycogenesis and factors influencing blood sugar level

SHORT ESSAY

3 X 4 = 12 Marks

2. Enzyme inhibition
3. Structure and clinical significance of cholesterol
4. Deficiency manifestation of vitamin 'A'

SHORT ANSWERS

5 X 2 = 10 Marks

5. What are disaccharides? Give examples
6. What is meant by transamination? Give examples
7. Name the vitamins which are deficient in
 - a) Pellagra
 - b) Beri Beri
 - c) Angular Stomatitis
 - d) Scurvy
8. What is Triglyceride? Where is it stored in the body?
9. Classify proteins, with examples

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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, give composition and properties of silver amalgam
2. Classify dental porcelain; write the condensation and firing of porcelain

SHORT ESSAY

6 X 5 = 30 Marks

3. Compaction of gold foil
4. Composition of heat cure and self cure resin
5. Phosphate bonded investment material
6. Impression compound
7. Define hardness, write down various tests for hardness
8. Casting machines

SHORT ANSWERS

10 X 2 = 20 Marks

9. Polymerization
10. Zinc polycarboxylate
11. Uses of plaster of paris
12. Multiple mix impression technique
13. Heat treatment of noble metal alloys
14. Back pressure porosity
15. Chrome cobalt alloy
16. Manipulation of zinc phosphate cement
17. Tarnish and corrosion
18. Composition of composite resin

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