

Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination – February 2007

Time: 3 Hrs.

[Max. Marks : 100]

HUMAN ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY (RS & RS2)

QP Code: 1151

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 lateral wall of the nasal cavity under the following headings – bones taking part, features, nerve supply and blood supply
2. Describe the arterial supply and venous drainage of face

SHORT ESSAY

10 X 5 = 50 Marks

3. Interior of larynx
4. Inferior constrictor muscle
5. Histology of suprarenal gland
6. Development of face and anomalies
7. Orbicularis oculi
8. Lacrimal gland
9. Maxillary air sinus
10. Carotid sheath
11. Ansa cervicalis
12. Histology of tongue

SHORT ANSWERS

10 X 3 = 30 Marks

13. Foremen ovale
14. Primary cartilaginous joint
15. Pretracheal fascia
16. Emissary veins
17. Sub-mental triangle
18. Falx cerebri
19. Name the branches from the first part of maxillary artery
20. Oogenesis
21. Bell's palsy
22. Styloid process of temporal bone

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HUMAN PHYSIOLOGY & BIOCHEMISTRY (RS & RS2)

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 : 1152 - Section A - HUMAN PHYSIOLOGY [60 Marks]

LONG ESSAY

1 X 10 = 10 Marks

1. Name the hypoglycemic hormone of the body. Discuss its actions, regulation of its secretion and features of deficiency of the Hormone.

SHORT ESSAY

7 X 5 = 35 Marks

2. Name the three chief plasma proteins. Give the function of each.
3. Junctional tissues of the Heart.
4. Bohr's Effect.
5. What are the parts of the juxta glomerular apparatus ? Give its function.
6. Give an account of the factors influencing gastric emptying.
7. Describe the visual pathway with the help of a neat diagram.
8. Describe the properties of sensory receptors.

SHORT ANSWERS

5 X 3 = 15 Marks

9. Haemophilia.
10. Functions of liver.
11. Myasthenia Gravis.
12. Mechanism of action of oral contraceptives.
13. Draw a neat diagram of ECG and label it. What is the importance of recording ECG.

QP Code : 1153 - Section B - BIOCHEMISTRY [40 Marks]

Use separate answer book

LONG ESSAY

1 X 10 = 10 Marks

1. Describe the formation of active form of vitamin D. Describe its Biochemical function, deficiency features and daily requirements.

SHORT ESSAY

3 X 5 = 15 Marks

2. Regulation of Blood Glucose.
3. Different types of Enzyme inhibition and their significance.
4. Absorption and functions of Iron.

SHORT ANSWERS

5 X 3 = 15 Marks

5. Ascorbic acid deficiency.
6. t-RNA
7. Buffer systems in the blood.
8. Essential fatty acids.
9. Four functions of calcium.

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DENTAL MATERIALS (RS & RS2)

QP Code: 1154

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

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss irreversible hydrocolloid as impression material
2. Classify dental cements; write in detail about glass ionomer cement

SHORT ESSAY

10 X 5 = 50 Marks

3. Welding and soldering
4. Stress and strain
5. Porosities in denture resin
6. Ideal requirement impression material
7. Trituration
8. Enumerate types of direct filling gold
9. Composition of impression compound
10. Electroformed dies
11. Manipulation of heat cure resin
12. Composition of dental porcelain

SHORT ANSWERS

10 X 3 = 30 Marks

13. Phosphate bonded investment material
14. Factors affecting setting time of gypsum products
15. Creep and flow
16. Sprue former
17. Composition of self cure resin
18. Polymerization
19. Hygroscopic setting expansion
20. Setting reaction of Gamma – 2 phase
21. Silicate cement
22. Addition silicone

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