

Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination – July 2008

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 course, relations and branches of facial nerve after its exit from stylo mastoid foramen in the face. Add a note on its applied anatomy
2. Describe the position, relations and blood supply of palatine tonsil. Add a note on its applied anatomy

SHORT ESSAY

10 X 5 = 50 Marks

3. Trigeminal ganglion
4. Mastoid process
5. Histology of Trachea
6. Development of upper lip & its anomalies
7. Platysma and its nerve supply
8. Lingual artery
9. Sigmoid sinus
10. Derivatives of II branchial arch
11. Buccinator muscle
12. Laryngo pharynx

SHORT ANSWERS

10 X 3 = 30 Marks

13. Ligaments of styloid process
14. Oblique facial cleft
15. Development of thymus
16. Sternocleido mastoid muscle and its relations
17. Nerve supply of nasal septum
18. Structure of lymph node
19. Nerve supply to soft palate
20. Foramen ovale and structures passing through it
21. Body of hyoidbone
22. External jugular vein

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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. Discuss the composition, function and regulation of gastric juice

SHORT ESSAY

7 X 5 = 35 Marks

2. Functions of juxta glomerular apparatus with diagram
3. Discuss the factors regulating Erythropoiesis
4. Chemoreceptors
5. Myxedema
6. Regulation of cardiac output
7. Differences between cortical and juxta medullary nephrons
8. Functions of testes

SHORT ANSWERS

5 X 3 = 15 Marks

9. Conduction of impulse in myelinated nerve fibres
10. Classify anaemia. Give examples
11. Effect of voluntary hyper ventilation
12. Intra ventricular pressure curve
13. Lumbar puncture

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

Use separate answer book

LONG ESSAY

1 X 10 = 10 Marks

1. Describe urea cycle; discuss clinical significance of blood urea level

SHORT ESSAY

3 X 5 = 15 Marks

2. Discuss about the clinical importance of enzymes with their normal values and clinical significance
3. Explain the separations of plasma proteins by Electrophoresis
4. Classify lipids with suitable examples

SHORT ANSWERS

5 X 3 = 15 Marks

5. Explain Phenylketonuria
6. Write a short note on scurvy
7. Explain the protein sparing action of carbohydrates
8. What are proenzymes? Explain with examples
9. Write biological importance of cholesterol

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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. What are Adhesive cements? Describe the composition, manipulation and uses of type I glass ionomer cement
2. Describe the composition, properties, manipulation and uses of Inlay casting wax

SHORT ESSAY

10 X 5 = 50 Marks

3. Hardness
4. Elastomers
5. Sprue former
6. Light cure composite resin
7. Unicompositional alloy
8. Cohesive gold
9. Nickel chromium alloy
10. Castable ceramics
11. Calcium hydroxide
12. Bur materials

SHORT ANSWERS

10 X 3 = 30 Marks

13. Solder
14. Relining
15. Uses of chemically activated acrylic resin
16. Galvanism
17. Wetting
18. Flowable composite
19. Sticky wax
20. Tarnish & corrosion
21. Plaster of paris
22. Casting shrinkage

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