

Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination - December 2010

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 mandibular nerve under the following headings:
a) Origin b) Course and relations c) Branches d) Distribution and e) Applied Anatomy
2. Describe the situation, relations, blood supply, nerve supply and histology of Pituitary gland

SHORT ESSAY

6 X 5 = 30 Marks

3. Give the boundaries, relations and applied anatomy of frontal air sinus
4. Give the development of submandibular gland and its anomalies
5. Give the parts, blood supply, relations and applied anatomy of internal capsule
6. Give the extent, relations, parts, branches of vertebral artery
7. Give the histological features of lung
8. Describe the age changes in Mandible

SHORT ANSWERS

10 X 2 = 20 Marks

9. Give the special features of first cervical vertebra
10. Give the histological features elastic cartilage
11. Name the artery which runs in the optic nerve. What is its importance?
12. Name any four branches of external carotid artery
13. Mention the bones forming hard palate
14. Name the surfaces of placenta
15. Name the papillae of the tongue
16. Define pleura
17. Name the branches of arch of aorta
18. Give the functions of cerebellum

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I year BDS Degree Examination –December 2010

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. What is meant by blood coagulation? Describe the Extrinsic mechanism of blood clotting

SHORT ESSAY

4 X 5 = 20 Marks

2. Explain the stages of Deglutition
3. Name the tract for the sensation of fine touch. Outline its course and termination
4. Give the normal volume of urine excreted per day and the role of A.D.H on the same
5. Define and explain Vagal Tone

SHORT ANSWERS

5 X 2 = 10 Marks

6. Name the receptors in the Retina. Which one is needed for daylight vision?
7. What are the secretory products of the Oxyntic cells of the gastric glands?
8. What are the chief muscles of inspiration?
9. What is meant by E.S.R? Give the normal value for infants
10. Where is the Apex Beat located?

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

LONG ESSAY

1 X 8 = 8 Marks

1. What is Beta oxidation? Explain Beta oxidation of fatty acid in detail

SHORT ESSAY

3 X 4 = 12 Marks

2. Enzyme Inhibition
3. Classification of lipids
4. What are Homopolysaccharides? Give examples

SHORT ANSWERS

5 X 2 = 10 Marks

5. What is SGOT? What is its normal range and discuss its clinical importance?
6. Sphingomyeleins
7. What are Semi essential amino acids? Give examples
8. Phenylketoneuria
9. Diabetes Mellitus

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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. What are the types of dental investments? Describe the composition, effect of each ingredient and uses of gypsum bonded investment. What is thermal expansion of investment?
2. What are the ideal requirements of a restorative material? Write the indications, advantages and disadvantages of tooth coloured restorative materials

SHORT ESSAY

6 X 5 = 30 Marks

3. Composition of heat cure Acrylic resin
4. Nickel chromium alloys
5. Biocompatibility
6. Microfilled composite
7. Degassing (desorbing)
8. Sandwich technique

SHORT ANSWERS

10 X 2 = 20 Marks

9. Zinc oxide eugenol impression paste
10. Fillers in composite
11. Core ceramic
12. Compressive strength
13. Casting
14. Noble metals
15. Adhesion
16. Tarnish and corrosion
17. Soldering
18. Advantages and disadvantages of polysulphides

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