

Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination - June/July 2009

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 position morphology relations and nerve supply of parotid gland. Add a note on its histology
2. Give an account of the gross features histology nerve supply and development of the tongue

SHORT ESSAY

6 X 5 = 30 Marks

3. Give the attachments nerve supply and relations of Digastric muscle
4. Give the development of palate and the associated anomalies
5. Give an account of the sphenopalatine ganglion and its connection
6. Give the boundaries relations and applied anatomy of maxillary air sinus
7. Give account of the sensory innervation of the face
8. Give the muscles of soft palate and the nerve supply

SHORT ANSWERS

10 X 2 = 20 Marks

9. Give the arterial supply of thyroid gland
10. Write the formation of external jugular vein
11. Give the contents of the carotid sheath and their relations
12. Give the formation of circle of willis (draw and label only)
13. Name the structures passing through the foramen magnum
14. Name the structures in the walls of cavernous sinus
15. Name the first pharyngeal arch derivatives
16. Give the histological features of thymus
17. Write the venous sinuses within the falx cerebri
18. Write the attachments of lateral Pterygoid muscle

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I year BDS Degree Examination – June/July 2009

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 mechanism of urine formation with diagram

SHORT ESSAY

4 X 5 = 20 Marks

2. Describe the stages of erythropoiesis with diagram
3. Explain the properties of cardiac muscle
4. Describe the physiological changes in artificial respiration
5. What is a conditioned reflex? Explain with example

SHORT ANSWERS

5 X 2 = 10 Marks

6. Mention the antigens present in ABO and Rh blood group
7. Define pulse pressure and mean arterial pressure
8. What is Bohr effect?
9. Mention the clinical features of Acromegaly
10. Draw the diagram of Olfactory pathway

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

LONG ESSAY

1 X 8 = 8 Marks

1. Name the Mucopolysaccharides & their significance

SHORT ESSAY

3 X 4 = 12 Marks

2. Plasma proteins and its functions
3. Define phospholipids. Mention their functions
4. Write the normal plasma cholesterol level and add a note on Atherosclerosis

SHORT ANSWERS

5 X 2 = 10 Marks

5. Name some biologically active peptides
6. What is Galactosemia?
7. Why sucrose is called an invert sugar?
8. Name essential amino acids
9. What are the active forms of vitamin D?

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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. Write the uses, method of setting and manipulation of plaster of Paris
2. Define dental composite resins. Describe in detail, the composition, manipulation, setting reaction of light activated composite resin

SHORT ESSAY

6 X 5 = 30 Marks

3. Cobalt-Chromium alloy
4. Hardness tests
5. Gold foil
6. Castable ceramics
7. Metal reinforced glass ionomer
8. Syneresis & imbibition

SHORT ANSWERS

10 X 2 = 20 Marks

9. Beryllium free alloys
10. Crucible former
11. Agar Agar
12. Subsurface porosity
13. Relining
14. Glass modifiers
15. Divestment
16. Tensile stress
17. Titanium
18. Silicate cement

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