



Time: 3 Hrs.

[Max. Marks : 100]

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. Explain the phases of Gastric juice secretion with experimental evidences

SHORT ESSAY

7 X 5 = 35 Marks

2. Describe the functions of Thyroxine
3. With a neat diagram explain the taste pathway
4. Explain different refractive errors. How do you correct these errors?
5. What is referred pain? Explain two theories of referred pain
6. Give a simple classification of anemia based upon the cause and explain each type of anemia
7. What are the functions of platelets?
8. With a neat diagram explain the action potential

SHORT ANSWERS

5 X 3 = 15 Marks

9. Draw and label Electrocardiogram (ECG) recording in lead II
10. Define Landsteiner's law
11. Define cyanosis
12. Draw a diagram of juxta Glomerular apparatus and mention its functions
13. Name three diseases of Basal Ganglia

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

Use separate answer book

LONG ESSAY

1 X 10 = 10 Marks

1. Explain Beta - oxidation of palmitic acid with energetics

SHORT ESSAY

3 X 5 = 15 Marks

2. Urea cycle
3. Significance of HMP shunt pathway
4. Vit - D deficiency disorders

SHORT ANSWERS

5 X 3 = 15 Marks

5. Dietary fibre
6. Invert sugar
7. Name the plasma lipoproteins and their functions
8. Normal values of (a) Serum calcium (b) Serum creatinine (c) Blood urea
9. Nutritional classification of amino acids

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