

Dec - 2011

**BLDE UNIVERSITY**  
**MBBS PHASE - I EXAMINATION**

[Time : 3 Hours]

[Max. Marks: 100]

**PHYSIOLOGY – PAPER - I**

**QP CODE : 1003**

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

**Long Essay: (Answers to be started on fresh page only)**

**2x10=20**

1. Draw a labeled diagram of ECG in lead II. Mention normal duration and causes of waves.  
Add a note on PR interval and its importance. (3+4+3)
2. Explain oxygen transport from lungs to tissues with the help of oxygen dissociation curve. Add a note on Bohr's effect. (3+4+3)

**Short Essay: (Answers to be started on fresh page only)**

**10x5=50**

3. Tabulate differences between first and second heart sounds.
4. Coronary circulation.
5. Timed vital capacity and its importance.
6. Erythroblastosis foetalis.
7. Discuss the fate of Haemoglobin.
8. Composition and functions of pancreatic Juice.
9. Gastric Emptying: Definition, Diagram and factors affecting it.
10. Juxtaglomerular apparatus.
11. Cystometrogram.
12. Regulation of salivary juice.

**Short Answers: (Leave three lines gap between the answers)**

**10x3=30**

13. Decompression sickness.
14. Mention six factors influencing cardiac output.
15. Ventilation perfusion ratio.
16. Haemophilia
17. Consequences of mismatched blood transfusion.
18. ESR : Definition, Normal Value and Importance.
19. Enterohepatic circulation.
20. GFR : Definition & name the factor influencing it..
21. Tabulate differences between active and passive transport.
22. List the ionic difference between ECF and ICF.

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**PHYSIOLOGY – PAPER - II**

**QP CODE : 1004**

Your answer should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.  
Each answer should be written on new page only.  
Write Question No. in left side of margin.

**Long Essay: (Answers to be started on fresh page only)**

**2x10=20**

1. Describe in detail about pathway of vision and its lesion.
2. Name the nuclei of basal ganglia. Describe the connections and functions of basal ganglia.

(6+4=10)

(2+3+5=10)

**10x5=50**

**Short Essay: (Answers to be started on fresh page only)**

3. Actions of testosterone
4. Endometrial changes during menstrual cycle.
5. Theories of Colour Vision
6. NM Junction : Definition, Diagram and Description
7. Ovulation : Definition and Tests to detect it.
8. E-C-Coupling in skeletal muscle
9. Electro encephalogram
10. Functions of Limbic System
11. Receptor : Definition, Classification and Properties.
12. Referred pain

**Short Answers: (Leave three lines gap between the answers)**

**10x3=30**

13. Babinski's Sign
14. Tympanic reflex
15. Milk ejection reflex
16. Features of Upper motor neuron lesion
17. Thermoregulatory centres : Name and location
18. Cretinism
19. Features of diabetes mellitus
20. Actions of parathormone
21. Functions of Placenta
22. Regulation of aldosterone