

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. Define cardiac cycle. Explain pressure and volume changes in the left ventricle during one cardiac cycle. (2+5+3)
2. Describe the mechanism and regulation of hydrochloric acid secretion in the stomach.
Add a note on peptic ulcer. (5+3+2)

Short Essay: (Answers to be started on fresh page only) 10x5=50

3. Erythropoiesis : Definition and factors affecting it.
4. Intrinsic mechanism of coagulation
5. Factors affecting venous return
6. Lung compliance
7. Ventilation Perfusion ratio
8. Deglutition
9. GFR : Definition, Normal Value and factors affecting it.
10. Gustometrogram
11. Rh- incompatibility
12. ECG : Definition, Diagram, Normal Waves and Intervals

Short Answers: (Leave three lines gap between the answers) 10x3=30

13. Functions of lymphocytes
14. JVP
15. Chloride shift
16. Morphology of cell membrane
17. Functions of platelets
18. Large Intestine movements
19. Cyanosis : Definition, Types and examples
20. List the peculiarities of Renal Blood flow
21. Hagen Poiseuille formula
22. What are a) Resistance Vessels b) Capacitance Vessels c) Exchange Vessels

BLDE UNIVERSITY
MBBS PHASE - I EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

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. Explain with neat diagram the origin , course and termination of corticospinal tract.

Add a note on hemiplegia.

(2+4+2+2)

2. Describe the biosynthesis, actions and regulation of thyroxine.

(3+5+2)

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

10x5=50

3. Structure and description of Sarcomere

4. Parkinson's disease

5. Action potential in a neuron

6. Visual pathway

7. Tests for hearing

8. EEG : Definition, Normal Waves and Uses

9. Cushing's syndrome

10. Spermatogenesis : Definition, Stages and factors affecting it.

11. Organ of Corti

12. Enumerate the properties of synapses and discuss any Three of them in detail.

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

10x3=30

13. Saltatory conduction of nerve impulse

14. Ovulation : Definiton and name the tests to detect it.

15. List the differences between Isotonic and Isometric contraction

16. Rigor Mortis

17. Myopia : Cause and correction

18. Impedance matching

19. Draw a neat and labeled diagram of Olfactory pathway.

20. Vasectomy

21. Permissive action of a hormone

22. Heat loss mechanism