

BLDE UNIVERSITY
MBBS PHASE - I EXAMINATION

JAN-2017

[Time : 3 Hours]

[Max.Marks : 100]

PHYSIOLOGY – PAPER - I
QP CODE : 1013

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 arterial Blood Pressure. Describe the mechanisms of regulation of Blood Pressure. Add a note on Hypertension. 2+5+3
2. Describe counter-current mechanism in kidney.

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

3. Total Body Water.
4. Anticoagulants.
5. Resting Membrane Potential.
6. Innate Immunity.
7. Functions of Bile.
8. Outline the steps of Erythropoiesis. Explain factors required for it.
9. Define Hypoxia. Describe types and effects of Hypoxia.
10. Intrapleural and Intraalveolar pressure changes during normal respiration.
11. Cardio-respiratory changes during exercise.
12. Enumerate stages of Deglutition. Describe Pharyngeal stage in detail.

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

13. Na⁺ – K⁺ Pump
14. Blood Transfusion reactions.
15. Residual Volume.
16. Draw and label the different waves and intervals in normal ECG.
17. Gastrin.
18. Hyaline Membrane Disease.
19. Medullary Respiratory Centres.
20. Name the Muscles of normal respiration.
21. Composition of Pancreatic Juice.
22. Peculiarities of coronary circulation.

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[Time: 3 Hours]

[Max.Marks : 100]

PHYSIOLOGY – PAPER - II

QP CODE: 1014

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 connections and functions of cerebellum. Add a note on features of cerebellar dysfunction.
2. Describe the hormonal regulation of calcium metabolism.

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

10x5=50

3. Differentiate between EPSP and IPSP.
4. Causes and corrections of refractive errors.
5. Changes occurring during puberty.
6. Functions of Thalamus.
7. Brown Sequard Syndrome.
8. Effects of Hyposecretion of Thyroid hormone.
9. Functions of Placenta.
10. Contraception in male individuals.
11. Contents and Functions of middle ear.
12. Classification of Nerve fibres.

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

10x3=30

13. Taste buds
14. Weber-Fechner law.
15. Neuromuscular blockers.
16. Physiological importance of olfaction.
17. Heat stroke.
18. List the differences between Isometric and Isotonic contraction.
19. Rigor mortis: cause and importance.
20. Define the following (a) Latent period (b) Refractory period
21. Fovea Centralis.
22. Diagram of Pain pathway.