

BLDE UNIVERSITY

M.B.B.S. PHASE - I DEGREE EXAMINATION –JULY 2010

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.

LONG ESSAY

2x10=20 Marks

1. Define erythropoiesis. Describe its stages. Discuss factors regulating erythropoiesis.
2. Describe origin and spread of cardiac impulse. Add a note on ectopic pacemaker.

SHORT ESSAY

10x5=50 Marks

3. Classify and describe anticoagulants.
4. Outline important features of cell mediated immunity.
5. Heart sounds
6. Factors affecting cardiac output.
7. Enteric nervous system
8. Functions of stomach
9. Functions of pancreatic juice
10. Inulin clearance.
11. Role of PCT in urine formation.
12. Hering-Breuer reflex.

SHORT ANSWERS

10x3=30 Marks

13. Define all or none law. Give its significance.
14. Draw & label ECG recorded in lead II
15. Functions of saliva
16. Succus entericus
17. TmG
18. Dead space
19. Muscles of respiration
20. Hyaline membrane disease.
21. Decompression sickness
22. Respiratory changes during exercise

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Time : 3 Hrs

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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.

LONG ESSAY

2X10 = 20 Marks

1. Describe the pathway involved in pain perception. Add a note on referred pain.
2. Describe the mechanisms of regulation of blood glucose level. Add a note on diabetes mellitus.

SHORT ESSAY

10X5 = 50 Marks

3. Functions of the frontal lobe
4. Strength duration curve
5. Describe the actions of Glucocorticoids
6. Muscle proteins
7. Ovarian cycle of menstrual cycle
8. Features of Cerebellar dysfunction
9. Hormones of posterior pituitary
10. Erlanger gasser classification of nerve fibres
11. Testosterone
12. Pathway for accommodation reflex

SHORT ANSWERS

10X3 = 30 Marks

13. Pregnancy tests
14. Wallerian degeneration
15. Types of hypertonia
16. Non shivering thermogenesis
17. R.E.M sleep
18. Thyrotoxicosis
19. Rigor mortis
20. Tests for colour vision
21. Blood brain barrier
22. Olfactory pathway