

**BLDE UNIVERSITY**

**M.B.B.S. PHASE – I DEGREE EXAMINATION – DECEMBER 2009**

**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 ESSAYS**

**2 X 10 = 20 Marks**

1. Describe composition, Functions and Regulation of pancreatic juice. (3+3+4)
2. Describe hemostasis in detail. Add a note on Anticoagulants. (5+5)

**SHORT ESSAYS**

**10 X 5 = 50 Marks**

3. 'Rh' blood grouping.
4. Reticuloendothelial system.
5. Refractory Period.
6. Heart sounds.
7. Coronary circulation.
8. Hypoxia.
9. Oxygen dissociation curve.
10. Deglutition.
11. Counter Current Multiplier system.
12. Plasma clearance.

**SHORT ANSWERS**

**3 X 10 = 30 Marks**

13. All or none law.
14. Pace maker Potential.
15. Compliance.
16. Respiratory distress syndrome.
17. Chloride shift.
18. Gastric phase of gastric juice secretion.
19. Peristalsis.
20. Cystometrogram.
21. GFR(Glomerular filtration rate).
22. Frank-Starling's law.

**BLDE UNIVERSITY**

**M.B.B.S. PHASE – I DEGREE EXAMINATION – DECEMBER 2009**

**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.**

**LONG ESSAYS**

**10 X 2 = 20 MARKS**

1. Draw and label Neuro-Muscular Junction of skeletal muscle. Explain the events that take place in transmission of an impulse across neuro-muscular junction. (5+5)
2. Name the anterior pituitary hormones. Explain the actions, regulation and disorders of growth hormone. (2+3+3+2)

**SHORT ESSAYS**

**5 X 10 = 50 MARKS**

3. Tatse pathway.
4. Functions of middle ear.
5. Light reflex pathway.
6. Stretch reflex.
7. Brown-sequard syndrome
8. Functions of CSF.
9. Functions of cerebellum.
10. Functions of skin.
11. Clinical features of Myxoedema.
12. Tests for ovulation.

**SHORT ANSWERS**

**3 X 10 =30 MARKS**

13. Name the properties of synapse.
14. Actions of Glucagon.
15. Aphasia.
16. Functions of pre-frontal lobe.
17. Hearing tests.
18. NREM sleep.
19. Trousseau's sign.
20. Inhibin.
21. Binocular vision.
22. Parkinson's disease.