July - Aug - 2012

BLDE UNIVERSITY

M. Sc. IN MEDICAL COURSE – PRELIMINARY EXAMINATION

[Time : 3 Hours] [Max.Marks : 80]

SUBJECT : PHYSIOLOGY

QP CODE : 9002

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) **4x6=24 marks**

1. Define Synapse. Enumerate the properties of synapse. Discuss any two of them in detail.
2. Enumerate the various phases of gastric juice secretion. Describe cephalic phase. Add a note on gastric mucosal barrier.
3. Define mean arterial pressure, pulse pressure. Explain the sinoaortic mechanism in regulation of blood pressure.
4. What is the normal blood calcium level? Discuss hormonal regulation of blood calcium level.

Short Essay: (Answers to be started on fresh page only) **10x4=40 marks**

5. Anticoagulants.
6. T Lymphocyte.
7. Visual Pathway.
8. Organ of Corti.
9. Oxygen dissociation curve.
10. Hypoxic Hypoxia
11. Spermatogenesis.
12. Ovulation.
13. GFR : Definition, Normal value and factors affecting it.
14. Cystometrogram.

Short Answers: (Leave three lines gap between the answers) **8x2=16 marks**

15. List the features of cerebellar dysfunction.
16. List the functions of saliva.
17. List the factors influencing cardiac output.
18. Milk ejection reflex.
19. Rigor Mortis.
20. Saltatory conduction of nerve impulse.
21. Draw a neat and labeled diagram of strength duration curve.
22. Refractory period.

July - Aug - 2021

BLDE (DEEMED TO BE UNIVERSITY)

M.Sc. Allied Health Sciences

[Time: 3 Hours] [Max.Marks: 80]

I SEMESTER
PAPER – II (PHYSIOLOGY)
QP CODE: 9002

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions **10X3 = 30 Marks**

1. With a neat labeled diagram describe the sequence of events occurring at the neuromuscular junction during transmission of nerve impulse. Add a note on Myasthenia Gravis.
2. What is Erythropoiesis? Describe the stages and factors influencing it.
3. Discuss conducting system of heart. Explain the pathway of spread of cardiac impulse. Add a note on A-V nodal delay.

Short Essays: **5 X 10 = 50 Marks**

4. Neuroglia
5. State the differences between passive and active transport processes
6. Describe the morphology and functions of neutrophils
7. Explain the hazards of mismatched blood transfusion
8. Discuss various lung volumes with clinical importance
9. Define cyanosis, types and clinical importance
10. Discuss anatomical and physiological dead space
11. Short term regulatory mechanism of arterial blood pressure
12. List the properties of cardiac muscle. Explain any two of them in detail
13. ECG: Definition, Diagram, and Description of its normal waves and intervals