PG DEGREE EXAMINATION

ANATOMY - PAPER - IV OF CODE: 5004

Draw near labeled diagrams wherever necessary.

Lany Questions (2x20=40 ma

Describe the palmar spaces with reference to palmin incisions.

horr Essay Questions

APY-2011 BLDE UNIVERSITY

POST GRADUATE DEGREE EXAMINATION

[Time: 3 Hours]

MD PHYSIOLOGY - PAPER - I

QP CODE: 5005

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Long essay

(2x20=40 marks)

[Max. Marks: 100]

1. Explain the various mechanisms involved in maintenance of acid-base balance of the body fluids.

2. Discuss recent advances in cellular Physiology

Short essay

- 3. Discuss neuronal circuits for processing information
- 4. Discuss the haemodynamics of Circulation.
- 5. Use of Radio-active isotopes in clinical medicine.
- 6. Feedback mechanisms form the backbone of Physiology. Discuss.
- 7. Describe the biophysics of nerve membrane potential at rest & after excitation.
- 8. Antioxidants and balanced diet.

PLDE LINIVERSITY

POST GRADUATE DEGREE EXAMINATION

[Time: 3 Hours]

[Max.Marks: 100]

MD PHYSIOLOGY – PAPER - II

QP CODE : 5006

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Long essay

(2x20=40 marks)

- 1. Explain the normal ECG in detail. Add a note on cardiac arrythmias.
- 2. Describe the physiological principles involved in blood transfusion and mismatched blood transfusion

Short essay

- 3. Discuss the pulmonary function tests in detail. Add a note on their clinical application.
- 4. Describe in detail homeometric and heterometric regulation of the heart with special reference to Frank- Starlings law.
- 5. Describe how biological thermostats function in extreme climatic conditions.
- 6. Describe the reticulo-endothelial system in detail.
- 7. Describe the composition, secretion, actions and regulation of pancreatic secretion.
- 8. Describe the mechanism of secretion of HCl in the stomach. Discuss the physiological basis of treatment of hyper-acidity.

BLDE UNIVERSITY

POST GRADUATE DEGREE EXAMINATION

[Time: 3 Hours]

[Max.Marks: 100]

MD PHYSIOLOGY – PAPER - III QP CODE : 5007

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Long essay

(2x20=40 marks)

- 1. What is a sarcomere? Describe the molecular basis of muscular contraction in skeletal muscle Add a note on myasthenia Gravis.
- 2. What are the functional divisions of cerebellum? Mention the parts, afferent and Efferent connections and functions of spinocerebellum. Add a note on the effects of lesion of flocculonodular lobe.

Short essay

- 3. Describe the Neuro-endocrine interrelationships.
- 4. Mention the various Brodman's (numbers) in the frontal lobe. Describe briefly each one.
- 5. Wall and Melzak's gate control mechanism of pain
- 6. Role of Pyramidal and Extra pyramidal system in Babinski sign
- 7. Law of Projection
- 8. Gasser and Erlanger's classification

The strike the Meuro and Australia Cravis.

When it is a succinere? Describe the molecular basis of muscular contraction in skeletal musch. Add a wate on myasthenia Gravis.

What are the functional divisions of cerebellum? Mention the parts affects and Efferent connections and functions of spinocerebellum. Add a note on the effects of lesson of frocculomodular lobe.

The crule the Meuro-endocrine intercolationships.

Describe the Meuro-endocrine intercolationships.

Members the Meuro-endocrine intercolationships.



POST GRADUATE DEGREE EXAMINATION

[Time: 3 Hours]

[Max. Marks: 100]

MD PHYSIOLOGY – PAPER - IV

QP CODE: 5008

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Long essay

(2x20=40 marks)

- 1. Discuss the role of inner ear in hearing. Add a note on tests of hearing and deafness.
- 2. Describe mammary gland structure and functions. Add a note on regulation of milk secretion.

Short essay

- 3. Role of hormones on uterine endometrium.
- 4. Impotence and infertility
- 5. Describe physiological adjustments during pregnancy.
- 6. Discuss clinical applications of non-invasive techniques in Physiology
- 7. Discuss patho-physiology of pain & its clinical management.
- 8. Discuss the physiology and management of stress.