

Oct-2019

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[Time : 3 Hours]

[Max.Marks : 100]

**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.

Write Question No. in left side of margin.

Long Essay

(2X20=40 Marks)

1. Write in detail about transport across the cell membrane.
2. Define homeostasis. Describe various mechanisms of maintenance of homeostasis.

Short Essay

(6X10=60 Marks)

3. Apoptosis
4. Types of RNA and their functions
5. Gibbs-Donnan Equation
6. Calcium binding proteins
7. Homeostasis
8. Eicosanoids

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[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.

Write Question No. in left side of margin.

Long Essay

(2X20=40 Marks)

1. Write about different methods by which oxygen can be given. What is the basis of hyperbaric oxygen therapy? Add a note on oxygen toxicity.
2. How aerobic exercise is helpful in maintaining good health.

Short Essay

(6X10=60 Marks)

3. Enterohepatic circulation
4. Explain the role of kidney in the maintenance of water balance in the body.
5. What is inhibition of negative immune regulation?
6. Calcium clocks in automaticity.
7. Hazards of deep sea diving.
8. Write the mechanisms by which Glucose enters in to the cell.

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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.

Write Question No. in left side of margin.

Long Essay

(2X20=40 Marks)

1. Discuss biosynthesis, functions and regulation of Adrenal medullary hormones. Add a note on Phoechromocytoma.
2. Describe origin, course and termination of pyramidal tract with the help of neat labeled diagram. Add a note on Hemiplegia.

Short Essay

(6X10=60 Marks)

3. Define EEG. List the changes occurring in EEG during sleep.
4. Iodide trapping mechanism in thyroid gland.
5. Anterior pituitary hormones
6. Circadian rhythm
7. Wallerian degeneration
8. Aldosterone escape

04-2019.

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[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.

Write Question No. in left side of margin.

Long Essay

(2X20=40 Marks)

1. Describe the hormonal, uterine, ovarian and vaginal changes during different phases of menstrual cycle.
2. Trace the visual pathway with neat diagram. Explain the effects of lesion at various levels in the course.

Short Essay

(6X10=60 Marks)

3. Describe the effects of Yoga on autonomic nervous system.
4. Tests for ovulation
5. Theories of hearing
6. Hormone replacement therapy
7. Stem cells
8. Prostaglandins