

July 2023

BLDE (DEEMED TO BE UNIVERSITY)

M.Sc. Allied Health Sciences

[Time: 3 Hours]

[Max.Marks: 80]

**I SEMESTER
PAPER – I (ANATOMY)
QP CODE: 9001**

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

Long Questions

10X3 = 30 Marks

1. Define joint. Classify them. Explain in detail the characteristics, components parts of synovial joints.
2. Explain the structure of a neuron in detail

3. ~~Formation of neural tube and defects~~ Describe the external features of heart. Add a note on its blood supply.

Short Essays:

5 X 10 = 50 Marks

4. Draw a neat labelled diagram of the Muscular artery and write briefly about each layer
5. Explain the laws of ossification
6. What are the types of cells in bone? Explain.
7. Placental barrier
8. Discuss in brief the subdivisions of intraembryonic mesoderm and their fate.
9. Describe the characteristics of Autosomal Dominant inheritance with a Pedigree chart and give the examples.
10. Draw a neat labelled diagram of the Thymus and write briefly on the Thymic blood barrier
11. Histology of Dorsal root ganglia.
12. Define Extra embryonic membranes. Give a brief account on development of Yolk Sac and its functions
13. Histology of Cardiac muscle.

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I SEMESTER

PAPER – I (Physiology)

QP CODE: 9002

Your answer should be specific to the questions asked.
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Long Questions

10X3 = 30 Marks

1. Enumerate the various phases of gastric juice secretion. Describe cephalic phase. Add a note on gastric bacter.
2. Discuss the Organization of respiratory neurons in the brain. Discuss mechanisms of resolution of respiration.
3. Define mean arterial pressure, pulse pressure. Explain the Sino aortic mechanism in regulation of blood pressure.

Short Essays:

5 X 10 = 50 Marks

4. Neuroglia
5. Mechanism of consolation of blood
6. T Lymphocyte
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. Neuromuscular junction and transmission of impulse across it.
12. List the properties of cardiac muscle. Explain two of them detail
13. ECG: Definition, Diagram and Description of its normal waves and intervals

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I SEMESTER

PAPER – III (BIOCHEMISTRY)

QP CODE: 9003

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X3 = 30 Marks

1. Structure and functions of cell membrane add a note on function of Mitochondria.
2. Enumerate the different types of polysaccharides and their functions
3. Describe the structural organization of protein.

Short Essays:

5 X 10 = 50 Marks

4. What are Peroxisomes? Give their clinical importance
5. Active Transport.
6. Essential fatty acids – functions and deficiency manifestations
7. Glucose Tolerance Test (GTT)
8. Essential Pentosuria and Lactose Intolerance.
9. Draw and label structure of t-RNA.Mention its function.
10. Nucleosomes.
11. Functions of lipoprotein
12. Name the bases present in DNA. Add a note on Chargaff's rule.
13. Define buffers.Add a note on plasma buffers.