

June-2023

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences

[Time: 3 Hours]

[Max. Marks: 80]

I SEMESTER

PAPER - I (Anatomy - I)

QP CODE: (8125, 8130, 8135, 8140, 8145, 8150, 8155, 8160, 8165, 8170)

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Explain parts of respiratory system, describe the gross anatomy of Lungs.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Blood supply of heart.
3. Synovial joints- types with examples and components.
4. Microscopic structure of lymph node.
5. Cubital fossa- boundaries and contents.
6. Rotator cuff.
7. Shoulder joint- movements and muscles producing the movements.
8. Blood supply of long bones.
9. Arch of Aorta- origin, branches and termination.
10. Meiosis.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Contents of Middle Mediastinum.
12. Pleura.
13. Transverse sinus of heart.
14. Draw a neat labelled diagram of histology of elastic artery.
15. Epiphysis -types.
16. Flexor retinaculum of hand.
17. Enumerate the branches of brachial artery.
18. Internal thoracic artery.
19. Epithelium.
20. Name the carpal bones.
21. Name the muscles of hand.

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I SEMESTER**PAPER - II (Physiology - I)****QP CODE: (8126, 8131, 8136, 8141, 8146, 8151, 8156, 8161, 8166, 8171, 8181)**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions**10X1 = 10 Marks**

1. What is erythropoiesis? Explain about its various stages. Add a note on factors influencing on it
(1+6+3)

Short Essays: (Any – 8)**5 X 8 = 40 Marks**

2. Passive transport mechanisms across cell membrane
3. Cell mediated immunity
4. Rh Factor
5. Mechanism of secretion of gastric hydrochloric acid
6. Deglutition
7. Lung surfactant
8. Oxygen-Hemoglobin dissociation curve
9. Differences between first & second heart sounds
10. Factors influencing cardiac output

Short Answers: (Any – 10)**3 X 10 = 30 Marks**

11. Draw a neat & labeled diagram of sarcomere
12. Saltatory conduction of nerve impulse
13. Draw a neat & labeled diagram to depict strength duration curve
14. Draw a neat & labeled diagram to depict neuromuscular junction
15. List the functions of following a. Golgi apparatus b. Endoplasmic Reticulum c. Lysosome
16. Total Body Water: Compartments, their normal values & differences
17. Erythrocyte Sedimentation Rate: Definition, Normal value & Significance
18. List the enzymes present in pancreatic juice
19. List the functions of saliva
20. Hypoxia: Definition, Types & mention one cause for each
21. Draw a neat & labeled diagram of Electrocardiogram in Lead II

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I SEMESTER**PAPER - III (Biochemistry - I)****QP CODE: (8127, 8132, 8137, 8142, 8147, 8152, 8157, 8162, 8167, 8172)**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions**10X1 = 10 Marks**

1. Define Enzyme. Classify enzyme with examples. Add a note on Isoenzymes of CPK and mention its significance. [1+6+3]

Short Essays: (Any – 8)**5 X 8 = 40 Marks**

2. Homopolysaccharides
3. Enumerate different types of RNA along with its function
4. Biochemical functions of Vitamin A
5. Compound lipids
6. Active transport
7. Functions of Plasma Proteins
8. Biologically important peptides
9. Classify amino acids based on structure & chemical nature
10. Watson crick model of DNA

Short Answers: (Any – 10)**3 X 10 = 30 Marks**

11. Name the bases present in DNA. Add a note on Chargaff's rule
12. Essential fatty acids
13. Pellagra
14. Mitochondria
15. Bonds stabilizing the protein structure
16. Scurvy
17. Mutarotation
18. Principal & Importance of Electrophoresis
19. Denaturation of proteins
20. Invert sugar
21. Cofactors

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I SEMESTER

PAPER – IV (National Health Care System)

QP CODE: (8128, 8133, 8138, 8143, 8148, 8153, 8163, 8168, 8173)

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Define primary health care. Briefly explain the principles of primary health care.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Describe different levels of health care system in India
3. Discuss salient features of National health Policy 2017
4. Discuss present scenario of health status of India
5. Describe ASHA's role and responsibilities under national rural health mission.
6. Functions of a Primary health Centre.
7. Briefly describe the role of NGOs in health care
8. Describe a community health Centre and its functions.
9. What is Indigenous system of Medicine?
10. Traditional birth attendant (Dai)

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Role of village health guides.
12. Job responsibilities of health workers (male).
13. Define 'community participation' and give example.
14. AYUSH in healthcare services for the community.
15. 'Medical care' versus 'Health care'.
16. Challenges in Implementation of National health programs
17. Name three voluntary health agencies in India
18. Staff pattern of PHC
19. Names six national health programs.
20. What are the activities of Indian Red Cross Society?
21. What is Health for All