

**BLDE (DEEMED TO BE UNIVERSITY)****B.Sc. Allied Health Sciences**

[Time:3 Hours]

[Max.Marks:80]

**I SEMESTER****PAPER – I (ANATOMY)****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 shoulder joint under following headings-

- a) Type b) Articular surfaces c) Movements possible and muscles responsible for those movements d) Applied aspects

**(1+2+5+2)****Short Essays: (Any – 8)****5 X 8 = 40 Marks**

2. Synovial joint
3. Blood supply to long bone
4. Cell division
5. Classify Joints
6. Right Atrium
7. Blood supply of heart
8. Bronchopulmonary segments
9. Cubital fossa
10. Right lung

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

11. Contents of middle mediastinum
12. Pleura
13. Flexor retinaculum
14. Types of Neurons
15. Name the branches of Brachial artery
16. Arch of Aorta
17. What is Anatomical position
18. Epithelium
19. Name the muscles of hand
20. Deltoid muscle
21. Types of blood vessels

Jan-2023.

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## B.Sc. Allied Health Sciences

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### I SEMESTER

### PAPER – II (PHYSIOLOGY)

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. Define BP, Normal value of various components.  
Add a note on its long term regulation regulations.

#### Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Explain Resting membrane potential.
3. Define and classify immunities.
4. Neuromuscular Junction: definition, diagram events
5. Describe property of cardiac muscle.
6. Function and regulation of Gastric Juice.
7. Heart sounds: types and differences between sounds
8. Cardiac output: definition, normal value, factors affecting it
9. Transport of O<sub>2</sub>.
10. Classify and explain hypoxia.

#### Very Short Essay (Any – 10)

3 X 10 = 30 Marks

11. Difference between negative and positive feedback mechanism.
12. Functions of Plasma proteins.
13. List of GI hormones.
14. Lung volumes and capacities
15. Artificial Respiration.
16. Draw structure of sarcomere
17. WBCs: explain different types
18. Functions of platelets
19. Body fluids compartments
20. Composition of Saliva.
21. Vital Capacity: definition and normal value

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## B.Sc. Allied Health Sciences

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### I SEMESTER

### PAPER – III (BIOCHEMISTRY)

**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. Write in detail about the functions, RDA, sources and deficiency manifestations of Vitamin A

#### Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. What are Pre analytical, analytical and post analytical errors
3. What are Isoenzymes? Mention clinical significance of isoenzymes of CPK and LDH
4. Define cell. Add a note on Functions of Cell membrane
5. What is BMR? Add a note on factors affecting BMR.
6. Classify Proteins based on their functions.
7. Define enzymes. And add a note on factors affecting enzyme activity.
8. Define lipids. Classify them with suitable examples.
9. Protein Energy Malnutrition
10. Explain how Blood, Urine and Body fluids are collected for biochemical analysis

#### Short Essay (Any – 10)

3 X 10 = 30 Marks

11. Scurvy
12. Essential amino acids
13. Biologically important peptides.
14. Respiratory quotient and its applications
15. Coenzymes and Cofactors
16. What are anticoagulants? Name any two anticoagulants with their uses in the Clinical laboratory.
17. Beriberi
18. Dietary fibers
19. SDA
20. Biological importance and Functions of Lipids.
21. Deficiency Manifestations of Vitamin B3

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**B.SC. ALLIED HEALTH SCIENCES**

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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. Explain in detail the steps of conducting a Randomized Controlled Trial

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Explain principles of Yoga
3. Write in brief about transmission of AIDS
4. Explain in brief demographic cycle
5. Explain the functions of a Primary Health Centre
6. Explain in brief about National Blindness Control Programme
7. Explain about schemes related to maternal health under National Health Mission
8. Write in brief various methods of disease transmission
9. Write about polio disease transmission and prevention
10. Explain about prevention of cancer

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. 3 tier health system in India
12. Census
13. Expand AYUSH
14. Define Goal and Target
15. Functions of Anganwadi centre
16. Voluntary health agencies
17. Enlist 3 types of biases in epidemiological study
18. Route, dose and schedule of Pentavalent vaccine
19. Enlist principles of primary health care
20. Components of cold chain
21. List 3 vaccines given under National Immunization Schedule