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# 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. Name the parts of Respiratory system, Describe Right Lung under following heading  
1) Shape 2) External features 3) Lobes 4) Blood supply 5) Applied aspects

#### Short Essays: (Any – 8)

**5 X 8 = 40 Marks**

2. Classify bones with examples
3. Axillary artery-origin, branches, termination
4. Histology of spleen.
5. Deltoid muscle – origin, insertion, nerve supply, action.
6. Cubital fossa-boundaries and contents.
7. Blood supply of thyroid gland.
8. Name the extra ocular muscles with nerve supply
9. Pericardium.
10. Movements and muscles producing movements at shoulder joint.

#### Short Answers: (Any – 10)

**3 X 10 = 30 Marks**

11. Epiphysis.
12. Functions of skin
13. What are the openings in Right atrium
14. T.M Joint Type and Articular surfaces.
15. Anatomical position.
16. Cartilages of larynx.
17. Enumerate muscles of Tongue with nerve supply.
18. Name the muscles of hand with nerve supply.
19. Biceps brachii- origin, insertion, nerve supply, action
20. Draw a neat labelled diagram of histology of elastic artery.
21. Neuron.

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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. Define blood pressure. What are its components? Explain the role of baroreceptor reflex in regulation of blood pressure.

#### **Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Facilitated diffusion
3. Enumerate properties of cardiac muscle. Explain any two
4. Define hypoxia. What are the different types of hypoxia?
5. Composition and functions of saliva
6. Types of muscles. What are the properties of skeletal muscle?
7. Classify white blood cells (WBCs). What are the functions of the different types of WBCs?
8. Describe the steps of nerve impulse transmission at the neuromuscular junction.
9. Oxygen Hemoglobin Dissociation Curve
10. Anemia- Definition, causes and effects

#### **Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Functions of a) Mitochondria b) Endoplasmic reticulum
12. Define the terms and give normal values – a) Cardiac output b) Stroke volume
13. Draw a neat labeled diagram of structure of neuron
14. Define the terms and give normal value a) Tidal volume b) Residual volume
15. Define cardiac cycle. List the events in the cardiac cycle.
16. Functions of plasma proteins
17. Sarcomere – Definition and Diagram
18. Define homeostasis. Give example of negative feedback mechanisms
19. Define and classify jaundice
20. Lung surfactant
21. Total body water and its compartments

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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. Sources and RDA of Vitamin D. Explain how Vitamin D is synthesized. Describe its functions. Deficiency disorders of Vitamin D.

#### **Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Beri Beri.
3. Heteropolysaccharides
4. Define lipids and classify.
5. Discuss about the factors affecting the rate of enzyme reaction.
6. Classify enzymes with examples.
7. Functional classification of proteins
8. Dietary sources of folic acid and its Functions.
9. Deficiency manifestations of vitamin C.
10. Competitive inhibition

#### **Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Co-enzymes-define and examples.
12. Biologically important peptides.
13. Disaccharides-define and examples
14. Transport mechanisms across cell membrane
15. Reducing sugars.
16. Deficiency manifestations of Vitamin A
17. Essential fatty acids
18. Glycogen
19. Primary structure of proteins
20. Pellegra
21. Functions of lipids

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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. What are the functions of PHC? Explain the role of ANM and ASHA worker.

#### **Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Briefly describe the effect of heat stress.
3. Maternal Mortality Rate – Causes & Prevention.
4. Write a note on the relation between prevalence and incidence?
5. What are the effects of noise pollution?
6. Describe functions of International Red Cross.
7. Barriers of communication and their prevention.
8. Expand UNICEF. Describe activities of UNICEF.
9. Write signs & symptoms of Vitamin A deficiency among children.
10. Write briefly about ICDS.

#### **Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. What is Tridosha theory of Ayurveda?
12. What is Endemic fluorosis?
13. Enumerate sources of Bio medical waste.
14. Write 3 cold chain equipment.
15. Enumerate danger signals of cancer.
16. Write formula & interpretation of Body Mass Index.
17. Name three vaccines given to children under UIP.
18. How to prevent Anemia during pregnancy
19. What are the tiers of Panchayat Raj System?
20. Health problems of adolescents.
21. List the Indian systems of medicine.