July- 2022

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. Classify the types of bones with example. Give the histology of compact bone with a diagram of transverse section

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

2. Mitochondria
3. Draw a diagram of histology of lymph node
4. Biceps brachii
5. Simple epithelium
6. Hyaline cartilage
7. Bronchopulmonary Segments
8. Rotator Cuff
9. Right atrium
10. Knee joint

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

11. Difference between cardiac and skeletal muscle
12. Cartilages of Larynx
13. Types of neuroglia cells
14. Epiphysis
15. Steps in mitotic cell division
16. Periosteum
17. Goblet cells
18. Name any three Carpal bones
19. Sinusoids
20. Name the Parts of sternum
21. Endoplasmic reticulum

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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. What is cardiac cycle? With the help of a neat & labeled diagram, explain various mechanical changes that occur during cardiac cycle

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

2. Generation & Conduction of cardiac impulse
3. ECG in Lead II: Definition, Diagram, Causes for normal waves & intervals
4. Factors regulating Erythropoiesis
5. Rh Factor: Definition, Description & Importance
6. Anticoagulants: Definition ,Types & Uses
7. Hemoglobin - Oxygen Dissociation Curve: Diagram, Description & Factors influencing it
8. Functions and regulation of secretion of pancreatic juice
9. Lung Volumes & Capacities: Diagram, Definition & Normal values
10. Neuro-Muscular Junction: Diagram & Description

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

11. Give normal values of a. Heart Rate b. Cardiac Output c. Stroke Volume d. Cardiac Index
12. Laboratory classification of Anemia
13. Define the following with normal values a. E.S.R. b. P.C.V.
14. Define the following& mention the underlying causes a. Hemophilia b. Purpura
15. List the non-respiratory functions of lungs
16. Define & mention the role of following a. Lung Surfactant b. Lung Compliance
17. Draw a neat & labeled diagram of Neuron
18. Draw a neat &labeled diagram of Sarcomere
19. Diffusion: Definition, Types & Significance
20. Define & give the significance of a. Lower esophageal sphincter b. Ileocecal valve
21. Mention the functions of a. Golgi Apparatus b. Lysosome c. Endoplasmic Reticulum

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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. Define Isoenzymes. Describe clinical significance of different isoforms of LDH & CPK (2+4+4).

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

2. Biochemical functions and deficiency manifestations of vitamin A
3. Structure and functions of t-RNA
4. Phospholipids
5. Glucose Tolerance Test (GTT)
6. Transamination
7. Catabolism of purines
8. What are ketone bodies? Explain the role of ketone bodies in starvation.
9. Write a note on colorimeter
10. BMR

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

11. Functions of Albumin
12. Glycosaminoglycans
13. Denaturation of Proteins
14. Significance of HMP Pathway
15. Atherosclerosis
16. Therapeutic uses of enzymes
17. Essential amino acids
18. Balanced diet
19. Inhibitors of ETC
20. Functions of Calcium
21. Pellagra

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[Time: 3 Hours] [Max.Marks: 80]

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. Describe different levels of health care system in India

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

2. Define the terms 'incidence' and 'prevalence'. Explain the relation between the two.
3. Describe principles of Primary health care
4. Discuss salient features of National health Policy 2017
5. Discuss present scenario of health status of India
6. What is Indigenous system of Medicine?
7. ~~Describe~~ ~~Demographic cycle~~ Describe prevention of HIV
8. Describe Natural History of disease.
9. Classify Epidemiological method & explain any one of them
10. Describe Cold chain equipment's for vaccines

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

11. What is Census?
12. Define Monitoring & Surveillance
13. What is Sentinel surveillance
14. Define Epidemiology
15. Define Communicable period
16. ~~What is demographic gap~~ Mention principles of Ayurveda.
17. Define Aim, Target & Objectives
18. Challenges in Implementation of National health programs
19. Functions of Primary health center
20. Name voluntary health agenesis in India
21. Define Epidemic & Pandemic