

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max.Marks:80]

I SEMESTER
PAPER – I (ANATOMY-I)
QP CODE: 8120

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

Long Questions

10X1 = 10 Marks.

1. Describe Brachial Plexus under following headings
 - a. Formation
 - b) Parts
 - c) Branches &
 - d) Applied anatomy

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Explain shoulder joint
3. Write short note on Bronchopulmonary segment
4. Explain parts of developing long bone and its blood supply
5. Write a brief note on connective tissue
6. Explain Hip Joint and muscles producing movement
7. Biceps Brachii
8. Cubital fossa
9. Sternoclavicular Joint
10. Explain Knee joint

Very Short Essay (Any – 10)

3 X 10 = 30 Marks

11. Cardiac Muscle
12. Typical Thoracic Vertebrae
13. Radial groove
14. Openings of diaphragm
15. Arch of Aorta
16. Types of Muscle
17. Synovial joint
18. Meiosis
19. Atypical 1st Rib relations
20. Carpal bones
21. Intercostal Muscles

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[Time: 3 Hours]

[Max.Marks: 80]

I SEMESTER
PAPER – II (PHYSIOLOGY - I)
QP CODE: 8121

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

Long Questions

10X1 = 10 Marks

1. Describe the composition, functions and regulation of secretion of gastric juice

Short Essays (Any – 8)

5 X 8 = 40 Marks

2. Draw a cross section of small intestine showing various layers. Mention the role of Enteric Nervous System
3. Deglutition: Definition, Diagrams, Phases and Mechanisms
4. Morphology and Functions of Granulocytes
5. Extrinsic mechanism of coagulation of blood
6. Blood transfusion reactions
7. Lung Surfactant: Definition, Description and Significance
8. Neural regulation of respiration
9. Long term regulatory mechanism of arterial blood pressure
10. Sarcomere : Diagram and Description

Very Short Essays (Any – 10)

3 X 10 = 30 Marks

11. List the functions of liver
12. Define and give normal values of the following a) ESR b) PCV
13. Define and mention the causes of a) Hemophilia b) Purpura
14. Lung Volumes and Capacities : Definition and Normal values
15. Define the following terms a) Dyspnoea b) Asphyxia c) Cyanosis
16. Hypoxia: Definition, Classification and Examples for each
17. List the properties of cardiac muscle
18. List functions of Lymphocytes
19. Define the following terms a) Rheobase b) Chronaxie c) Utilization time
20. Rigor mortis: Definition and Significance
21. Define Homeostasis and Apoptosis

Jan - 2023,

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**I SEMESTER
PAPER – III (BIOCHEMISTRY)
QP CODE: 8122**

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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I SEMESTER
PAPER – IV (KINESIOTHERAPY)
QP CODE: 8123

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

Long Questions

10X1 = 10 Marks

1. Explain biomechanics of thorax and chest wall.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. What is sarcomere? Write a note on types of muscle contractions.
3. Write a note on static and dynamic stabilizer of shoulder joint.
4. Explain the kinematics of temporomandibular joint.
5. Write a note on length tension relationship.
6. Define intervertebral disc. Write a note on its components and functions.
7. Write a note on kinematics of cervical spine.
8. Explain in details about Gleno-Humeral joint biomechanics.
9. Write a note on extensor mechanism of hand.
10. Write a note on anatomical pulleys.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Define kinetics, kinematics and biomechanics.
12. Define force mention its formula.
13. Note on retinaculum.
14. Palmar arch.
15. List carpal bones.
16. Typical vertebra.
17. What are contractile proteins?
18. Precision grip.
19. Angle of Louis of thorax.
20. Carrying angle.
21. Muscles of inspiration and expiration.