Tally. Aug-2024

BLDE (DEEMED TO BE UNIVERSITY)

BACHELOR OF PHYSIOTHERAPY

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

I SEMESTER

PAPER – I (ANATOMY)

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 Hip joint under the following headings; (1+1+3+3+2)
   a) Type b) Articular surfaces c) Ligaments d) Relations and e) Movements.

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

2. Describe the blood supply of heart.
3. Deltoid muscle- origin, insertion, nerve supply and action.
4. Histology of Liver.
5. Diaphragm.
6. Bronchopulmonary segments.
7. Mitosis.
8. Histology of hyaline cartilage.
9. Describe the parts of Long bone.
10. Pleural recesses.

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

11. Mediastinal Surface of Right Lung.
12. Contents of Superior Mediastinum.
13. Name the branches of Axillary artery
14. Draw a neat labeled diagram of histology of trachea.
15. Name any four intrinsic muscles of hand.
16. Transverse Pericardial Sinus.
17. Laws of Ossification.
18. Neuroglia.
19. Synovial joints.
20. Name the superficial flexor muscles of forearm.
21. Sarcomere.

July-Aug-2024

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

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. What are lipids? Classify lipids in detail with suitable examples and give the biomedical importance of lipids (1+6+3)

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

2. RNA: Types, structure and functions
3. Polysaccharides
4. Biologically important peptides
5. Mechanism of Enzyme Action
6. Fatty Liver and Lipotropic Factors
7. Deficiency manifestations of Vitamin D
8. Balanced Diet
9. Glucose Tolerance Test
10. Urea Cycle

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

11. Essential fatty Acids
12. Glycogenolysis
13. Transamination
14. Isoenzymes
15. Nucleotides & Nucleosides
16. Nutritional classification of amino acids
17. Gout
18. Coenzyme forms of B Complex vitamins
19. Sources and importance of Iodine
20. Enzyme Inhibition
21. Scurvy

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

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 in detail biomechanics of thorax and chest wall.

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

2. Classify different types of muscle contraction with example.
3. Discuss the importance of anatomical pulleys.
4. Explain in brief levers with an example.
5. Scapulo-humeral rhythm.
6. Movements and muscle actions of Wrist joint.
7. Explain the extensor mechanism of hand.
8. Enumerate the different types of force system with relation to human body.
9. Explain in brief about the kinematics of cervical spine.
10. Length-tension relationship

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

11. Carrying angle
12. Define Kinematics and Kinetics
13. Hinge joint
14. Precision grip
15. Isotonic contraction
16. Muscles of ventilation
17. Name the muscle responsible for mastication
18. Difference between atypical and typical vertebrae
19. Intervertebral disc
20. Palmar arch
21. Newton's third law

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

I SEMESTER
PAPER – II (PHYSIOLOGY)
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. Define Blood Pressure and its components. Explain its neural regulation?

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

2. Explain Neuromuscular transmission and its clinical significance.
3. Classify Anemia and explain Iron deficiency anemia
4. Briefly explain Chemical regulation of respiration
5. Describe Excitation Contraction coupling in skeletal muscle
6. Define cardiac output and explain factors regulating it
7. Enumerate differences between Isotonic & Isometric contraction with suitable examples.
8. Describe various lung volumes and capacities
9. Explain conducting system of heart
10. Strength duration curve

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

11. Define and draw a neat & labeled diagram of Sarcomere
12. List the functions of saliva
13. Mention the cause and physiological basis of treatment of Hemophilia
14. Facilitated diffusion
15. Sarcotubular system
16. Movements of small intestine
17. Define the following a. Action Potential b. Latent period c. Starling's Law of Muscle
18. Unipolar limb leads
19. Rigor mortis
20. Functions of T &B lymphocytes
21. Erythroblastosis foetalis