

9/7/26
AM

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences

[Time: 3 Hours]

[Max. Marks: 80]

II SEMESTER

PAPER - IV (Introduction to Forensic Science and Criminalistics-II)

QP CODE: 8258

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Define criminalistics? Explain in detail of crime scene recognition, identification and interpretation of physical evidence.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Describe differences between homicide & suicide
3. Write difference between forensic science and criminalistics
4. Explain actions of first responding officer at crime scene
5. Discuss physical and traced evidence
6. Explain crime scene search methods with neat sketch
7. Describe collection and preservation of blood, semen and cartridge case
8. Write about forensic tool marks with an examples
9. Write general safety considerations at crime scene
10. Short note on step by step processing of any physical evidence from crime scene to courtroom

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Describe individualization
12. Explain in detail about primary & secondary scene of crime
13. Explain action of investigation offices in emergency care
14. Statement of suspect
15. Define 5W & 1H in forensic context
16. Explain preliminary walk-through
17. Photography of the crime scene
18. Explain fingerprint development methods
19. Write in detail hair collection and preservation methods
20. Explain crime scene reconstruction
21. hypothesis formulation and testing

11/7/26
AM

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 borders, surfaces and blood supply of heart.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Axillary artery
3. Biceps brachii muscle
4. Connective tissue-components
5. Epiphysis
6. Blood supply of long bone
7. Diaphragm
8. Elbow joint
9. Thyroid gland-gross anatomy
10. Histology of skeletal muscle

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Name the carpal bones
12. Movements possible at shoulder joint
13. Name the muscles of hand
14. Histology of hyaline cartilage
15. Pronation of hand
16. Name the muscles of Palate
17. Cartilages of larynx
18. Name the extra ocular muscles
19. Fibrous joint
20. Simple epithelium
21. Boundaries of cubital fossa

4/7/26
AN

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

I SEMESTER

PAPER - III (Biochemistry - I)

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 enzymes? Classify them with examples. Enumerate their biochemical functions.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Describe various types of transport across cell membrane.
3. What are vitamins? Explain classification of vitamins.
4. Classify proteins based on their chemical nature and functions.
5. Describe different types of enzyme inhibition with examples.
6. Functions and deficiency manifestations of Vitamin D
7. Enumerate the structure and functions any three homopolysaccharides.
8. Explain structure and functions of mitochondria and endoplasmic reticulum
9. Define lipids. Classify lipids with examples.
10. Sources, Functions and deficiency manifestations of Vitamin C

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. What is beriberi? Explain the types.
12. What are Isoenzymes? List three Isoenzymes of creatine phosphokinase.
13. Saturated and unsaturated fatty acids.
14. Functions of cell membrane.
15. Essential amino acids.
16. Enzyme specificity.
17. What are Eicosanoids? Give two examples.
18. Functions of carbohydrates
19. Denaturation and coagulation of protein.
20. Folate trap.
21. Isomers of monosaccharides..

812126
AM

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

I SEMESTER
PAPER - IV (Kinesiotherapy - I)
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 levers, their types and applications in physiotherapy with suitable examples.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Define motion. Explain types of motion with suitable examples.
3. Explain the role of gravity, line of gravity and base of support in maintaining balance.
4. Write a note on elasticity and Young's modulus.
5. Explain the effects of immobilization and aging on muscles and soft tissues
6. Write a note on the biomechanics of the elbow joint.
7. Explain ventilatory motions and their integration with rib cage function.
8. Write a note on scapulohumeral rhythm
9. Describe the types of muscle work with examples
10. Write a note on the effects of injury on joints.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Define mechanics.
12. Sesamoid bone.
13. Define velocity.
14. Define centre of gravity in the human body
15. Mention two applications of friction in physiotherapy
16. Define anatomical pulley with one example
17. Give an example of 2nd order lever in the human body.
18. Name the connective tissues of a joint
19. Name the muscles of depression of the shoulder.
20. Define power grip.
21. Name two changes in vertebral column in aging.