

JAN-2024

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. Describe the external features of heart- borders and surfaces. Add a note on arterial supply and venous drainage of heart. (5+5)

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Transverse sinus of heart.
3. Describe histology of lymph node.
4. Synovial joints- types and components.
5. Peculiarities of Clavicle.
6. Deltoid muscle-origin, insertion, nerve supply and action.
7. Broncho pulmonary segments.
8. Arch of Aorta- origin, termination, course and branches
9. Cell division.
10. Cubital fossa- boundaries and contents.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Mediastinal surface of right of lung.
12. Flexor retinaculum of hand.
13. Microscopic structure of bone.
14. Types of neuroglial cells.
15. Sesamoid bones.
16. Openings in the Right Atrium.
17. Name the muscles of hand.
18. Pronation and supination- muscles producing the movements.
19. Enumerate the carpal bones.
20. Contents of Middle mediastinum.
21. Differences between cardiac and skeletal muscle.

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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. Discuss the morphology & functions of WBCs.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Rh Factor
3. Factors affecting erythropoiesis
4. Mechanism of secretion of gastric hydrochloric acid
5. Regulation of secretion of pancreatic juice
6. Neural regulation of respiration
7. Hemoglobin- Oxygen dissociation curve
8. Sarcomere : Diagram & Description
9. Short term regulation of blood pressure
10. Factors influencing cardiac output

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. List the differences between ^{ICF}~~ECF~~ & ECF
12. Erythrocyte Sedimentation Rate: Definition, Normal value & Significance
13. List the differences between diffusion & osmosis
14. Draw a neat & labeled diagram to depict electron microscopic structure of cell membrane
15. List the functions of saliva
16. Deglutition
17. Draw a neat & labeled diagram to show various lung volumes & capacities
18. Lung surfactant: Definition, Source & Significance
19. Define the following a. Latent Period b. Refractory Period c. Frank Starling's law of muscle
20. List the properties of cardiac muscle
21. Draw a neat & labeled diagram of Electrocardiogram in Lead II

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6/01/2024

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B.Sc. Allied Health Sciences

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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 carbohydrates. Classify them with Suitable examples. Give the biological importance of carbohydrates.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. What are enzymes? Give classification of enzymes.
3. Biologically important peptides
4. Functions of Vitamin C
5. Protein Energy Malnutrition
6. Phospholipids
7. What is BMR? Add a note on factors affecting BMR
8. Deficiency manifestations of vitamin D
9. Diagnostically important enzymes
10. Structural organization of Proteins

Very Short Essay (Any – 10)

3 X 10 = 30 Marks

11. Essential fatty acids
12. Therapeutic applications of enzymes.
13. Pre-analytical errors
14. Functions of Vitamin A
15. Structure and Functions of Mitochondria
16. Functions of Vitamin K
17. Respiratory quotient and its applications
18. ~~Pre-analytical errors~~ Active Transport
19. Nutritional classification of proteins
20. Beriberi
21. Pellagra

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BLDE (DEEMED TO BE UNIVERSITY)
B.SC. ALLIED HEALTH SCIENCES

[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. Explain in detail the steps of conducting a Cohort study

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Explain principles of Yoga
3. Write in brief about control of diabetes
4. Explain in brief demographic cycle
5. Explain the functions of a Primary Health Centre
6. Explain in brief about National AIDS Control Programme
7. Explain about schemes related to child health under National Health Mission
8. Write in brief various methods of disease transmission
9. Write about Covid -19 disease transmission and prevention
10. Write about the role of ASHA in health care delivery system

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. 3 tier health system in India
12. List 3 discuss spread by vectors like mosquitoes
13. Dose, route and schedule of pentavalent vaccine
14. Census
15. Functions of Anganwadi centre
16. Give 3 examples of Voluntary health agencies
17. Enlist 3 types of biases in epidemiological study
18. Write 3 diseases spread through faeco-oral route
19. Define incidence and prevalence
20. Components of National Health Mission
21. List 3 vaccines given under National Immunization Schedule

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BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Forensic Science

[Time: 3 Hours]

[Max. Marks: 80]

I SEMESTER

PAPER - IV (Introduction to Forensic Science & Criminalistics)

QP CODE: 8158

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 about the scope of Forensic Science

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Need of forensic science.
3. Functions of forensic science.
4. Historical aspects of forensic science
5. Any two branches of forensic science
6. Forensic science in International perspectives.
7. Outdoor crime scene
8. Securing and isolating crime scene
9. Co-ordination between police personal and forensic scientists at crime scenes
10. "When? Where?" of crime scene evaluation

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Any three inferences of Frye case
12. Define the terms victim, accused, crime scene
13. Three uses of forensic dentistry.
14. Three Advantages of Forensic toxicology.
15. Three uses of forensic Psychology.
16. Three functions of FBI
17. Three advantages in investigation of indoor crimes
18. Three ways to search "why?" in Crime evaluation.
19. Three functions of recording notes in crime scene.
20. Three uses of crime scene logs
21. Three advantages of sketching in crime scene evaluation.