

BLDE (DEEMED TO BE UNIVERSITY)

01/04/2024

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. Explain shoulder joint under following headings-

- a) Type
- b) Articular surfaces
- c) Movements and muscles responsible for those movements
- d) Applied aspects

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Biceps brachii- Origin, insertion, nerve supply and action.
3. Blood supply of heart.
4. Describe microscopic structure of elastic artery.
5. Blood supply of long bone.
6. Bronchopulmonary segments.
7. Define joint. Classify joints with examples.
8. Cubital fossa- boundaries and contents.
9. Pleura.
10. Describe lateral wall of nose.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. What is anatomical position?
12. Epiphysis - types
13. Enumerate cartilages of larynx.
14. Contents of carotid triangle of neck.
15. Openings in right atrium.
16. Enumerate muscles of arm with nerve supply.
17. Major and minor Openings in the diaphragm.
18. Draw a neat labelled diagram of histology of spleen.
19. Enumerate carpal bones.
20. Mediastinal surface of right lung.
21. Contents of posterior mediastinum.

July - 2024.

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences

[Time: 3 Hours]

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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. Define ECG. Explain ECG of lead II in detail with neat diagram.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Define homeostasis. Explain negative feedback mechanism in detail with example.
3. Define BP. Add a note on short term regulation of BP
4. Describe and discuss transport mechanisms across cell membranes
5. Define erythropoiesis. Add a note on stages of erythropoiesis with neat diagram.
6. Describe different blood groups and discuss the clinical importance of blood grouping.
7. Describe the structure and events of neuro-muscular junction.
8. Describe the composition and functions of gastric juice.
9. Describe the mechanics of normal respiration.
10. Discuss the events occurring during the cardiac cycle

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. With a neat labelled diagram explain Coronary Blood Flow.
12. Define hemostasis mention the steps of hemostasis.
13. Define and classify hypoxia.
14. Neuron
15. Peptic ulcer
16. Describe Strength-duration curve
17. Isometric and isotonic contraction
18. Myasthenia gravis
19. Properties of platelets
20. Define and classify Immunity
21. Plasma proteins

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BLDE (DEEMED TO BE UNIVERSITY)

5/7/24

B.Sc. Allied Health Sciences

[Time: 3 Hours]

[Max. Marks: 80]

I SEMESTER

PAPER - III (Biochemistry - I)

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. Describe sources, RDA, biochemical functions and deficiency manifestations of vitamin C

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Describe the classification of carbohydrates.
3. Explain the structural organization of proteins.
4. What are enzymes? State the clinical importance of enzymes.
5. Biological importance of carbohydrates.
6. What is the mechanism of enzyme action? Write a note on the active site of the enzyme.
7. What are the reasons for calling 'Calcitriol a Hormone'?
8. Define lipids? State biomedical importance of lipids.
9. State the biochemical functions of Vitamin E
10. Enumerate different transport mechanisms across the cell membrane with examples.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Explain the Enzyme inhibition.
12. Biochemical functions of vitamin K
13. Beriberi.
14. Explain Wald's visual cycle
15. Deficiency manifestation of Niacin.
16. Note on Ribosomes
17. Functions of Folic acid.
18. Write the normal ranges for these enzymes: 1. SGOT. 2. LDH. 3. SGPT.
19. Important functions of the Nucleus.
20. A note on Denaturation of proteins.
21. Define essential amino acids. Name them.

8/07/2024

BLDE (DEEMED TO BE UNIVERSITY)

7/24

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 about National Tuberculosis Elimination Programme (NTEP)

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Write in brief about control of hypertension
3. Explain in brief demographic cycle
4. Explain the principles of Primary Health Care with examples
5. Explain in brief about Integrated Child Development Scheme (ICDS)
6. Write about the role of ASHA in health care delivery system
7. Write in brief various methods of disease transmission
8. Write about prevention strategies for hepatitis
9. Explain about cold chain for vaccines
10. Write about Covid -19 disease transmission and prevention

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Principles of Yoga
12. Dose, route and schedule of pentavalent vaccine
13. Census
14. Functions of Anganwadi centre
15. Give 3 examples of Voluntary health agencies
16. Enlist 3 types of biases in epidemiological study
17. Write 3 diseases spread through faeco-oral route
18. Define incidence and prevalence
19. Components of National Health Mission
20. List 3 vaccines given under National Immunization Schedule
21. Name 3 diseases included in National vector Borne Disease Control Programme (NVDCP)

7/24

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. Define Forensic Science? Write in detail scope and importance of forensic science.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Classifications of evidence
3. Define evidence? Write about class and individualistic of evidences
4. Write any five pioneers name and their contribution to Forensic Sciences
5. Historic contribution of forensic science in India
6. Importance of central forensic science laboratories
7. Write any ten branches in forensic science laboratory
8. National Crime Records Bureau (NCRB)
9. What is central police academy and where is situated
10. Write about expert evidence in court of law

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Define inquest
12. Explain daubert standards
13. Principles of forensic science
14. Qualifications of forensic scientists
15. History and development of branches of forensic science laboratories in India
16. Mobile Crime Laboratories
17. Regional Forensic Science Laboratories
18. Fingerprint Bureaus
19. Dog Squad
20. What is physical evidence? write significance
21. INTERPOL