

7/24,

**BLDE (DEEMED TO BE UNIVERSITY)**

**B.Sc. Allied Health Sciences**

[Time: 3 Hours]

[Max. Marks: 80]

**II SEMESTER**

**PAPER - I (Anatomy - II)**

**QP CODE: (8225, 8230, 8235, 8240, 8245, 8250, 8255, 8260, 8265, 8270)**

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 Kidney under the following Headings  
b) Location b) External features & Relation c) Coverings d) Blood supply

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Supports of Uterus.
3. Pancreas-parts, relations.
4. Greater omentum
5. Gluteus Maximus-origin, insertion, nerve supply, action.
6. Histology of ovary
7. Blood supply of the stomach
8. Hip joint-type, articular surfaces, movements and muscles responsible.
9. Popliteal fossa- boundaries and contents.
10. Gross anatomy of the spleen

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Parts of supra renal gland.
12. Sertoli Cells
13. Soleus Muscle
14. Contents of adductor canal.
15. Inversion and eversion of foot- muscles responsible.
16. Covering of Testis
17. Enumerate the tarsal bones.
18. Formation of bile duct
19. Difference between small and large intestine
20. Histology of liver- diagram only.
21. Enumerate Adductor Muscles.

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**II SEMESTER**

**PAPER - II (Physiology - II)**

**QP CODE: (8226, 8231, 8236, 8241, 8246, 8251, 8256, 8261, 8266, 8271, 8281)**

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 phases of menstrual cycle, what are the hormonal changes that occurs during menstrual cycle. Write a note on tests for ovulation?

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Describe the connections and functions of hypothalamus?
3. What are the hormones secreted by thyroid gland, what are the features of thyrotoxicosis?
4. Describe with the help of neat diagram JG apparatus?
5. Define Receptor? Describe the classification of receptors?
6. Describe the content and functions of middle ear?
7. What are the types of nephron, what are the functions of different parts of nephron?
8. Describe the various contraceptive methods in males and females?
9. Describe the functions of hormone secreted by posterior pituitary gland?
10. Describe the course of taste pathway?

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Draw neat diagram of the Dorsal column tract?
12. What are different types of refractive errors?
13. Draw a neat labeled diagram of reflex arc?
14. Describe test of color vision? Write a note on color blindness?
15. Stages of spermatogenesis?
16. List functions of insulin, write a note on Diabetes mellitus?
17. Define GFR, what is its normal value?
18. Describe Cystometrogram?
19. What are the tuning fork tests for hearing?
20. What is the composition and functions of CSF?
21. What is normal core body temperature? Mention the ways in which the body can gain heat

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## B.Sc. Allied Health Sciences

[Time: 3 Hours]

[Max. Marks: 80]

### II SEMESTER

#### PAPER - III (Biochemistry - II)

QP CODE: (8227, 8232, 8237, 8242, 8247, 8252, 8257, 8262, 8267, 8272)

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 sources, absorption, biochemical functions and deficiency manifestations of calcium.

#### Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Protein-energy malnutrition
3. What is BMR explain the factors influencing BMR
4. The role of dietary fiber in human nutrition.
5. Functions of Iron.
6. What are plasma proteins? Write about the functions of Albumin.
7. What are minerals? Name all the macro minerals and micro minerals
8. Balanced diet.
9. Factors affecting the distribution of water in the body.
10. What is LFT? Name the biochemical parameters done under LFT, with their normal ranges

#### Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Fluorosis
12. Note on SDA
13. Respiratory Quotient and its applications
14. Hemosiderosis.
15. Immunoglobulins
16. The dietary sources and RDA of magnesium.
17. Difference between DNA and RNA.
18. The types of RNAs.
19. Name the serum electrolytes and write their normal ranges.
20. What is RFT? Mention the clinical significance of RFT
21. Clinical significance of thyroid function tests

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## B.Sc. Allied Health Sciences

[Time: 3 Hours]

[Max. Marks: 80]

### II SEMESTER

#### PAPER - IV (General Microbiology)

QP CODE: (8228, 8233, 8238, 8243, 8248, 8253, 8258, 8263, 8268, 8273)

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

#### Long Questions

10X1 = 10 Marks

1. Define sterilization. Classify various agents used in sterilization. Add a note on Hot air oven.

#### Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Human immunodeficiency virus
3. Laboratory diagnosis of Malaria
4. Autoclave
5. Candidiasis
6. Vibrio cholerae
7. Difference between active and passive immunity
8. Laboratory diagnosis of pulmonary tuberculosis
9. Lab diagnosis of Staphyococcal infections
10. Bacterial capsule

#### Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Define infection and mention its types
12. Name the fungi causing skin infection
13. Draw neat labelled diagram of Secretory IgA
14. Difference between virus and bacteria
15. Enlist organisms causing Urinary tract infection
16. Classify culture media
17. Name three Gram Negative bacilli
18. Koch's Postulates
19. Types of vaccines
20. Name 3 infections caused by Streptococci
21. Mediators of hypersensitivity reaction

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**B.Sc. Allied Health Sciences**

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**II SEMESTER**

**PAPER - V (Basic Pathology & Hematology)**

**QP CODE: (8229, 8234, 8239, 8244, 8249, 8254, 8259, 8264, 8269, 8274)**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Discuss about the techniques and collection of body fluids. Add a note on fixation, processing and routine staining of body fluids. (4+6)

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Discuss about the Differences between benign and malignant tumours
3. Enumerate the various methods of estimating Hemoglobin. Describe any one in detail.
4. Discuss about the steps of tissue processing
5. Describe the tests for detection of glucose in urine
6. Biomedical Waste
7. Blood Grouping
8. Define hemostasis. Describe different stages of hemostasis.
9. Define anemia. Write the classification and clinical features of anemia.
10. Discuss the etiology and pathogenesis of cell injury

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Define necrosis. List the types of necrosis.
12. Write any three indications for bone marrow aspiration.
13. What is Bleeding Time and Clotting time? Write the normal range of each.
14. Write the modes of transmission of HIV
15. What is ESR? Write the normal range in adult males and females.
16. Define Hypertrophy. Write few examples.
17. Write 3 causes of eosinophilia.
18. Define shock. Write its types.
19. Name the anticoagulants used in hematology
20. Write 3 causes of Ketone bodies in the urine (Ketonuria)
21. Blood components : Name them and write their uses

09/07/24

# BLDE (DEEMED TO BE UNIVERSITY)

## B.Sc. in Forensic Science

[Time: 3 Hours]

[Max. Marks: 80]

### II SEMESTER

#### PAPER - IV (Introduction to Forensic Science & 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 and recognition, collection, identification of evidences at scene of crime

#### Short Essays: (Any – 8)

**5 X 8 = 40 Marks**

2. Difference between criminal justice system and criminalistics
3. Define type of scenes of crime
4. Actions of first responding officer during emergency care at crime scene
5. Describe victim, witness and suspects
6. Preservation of viscera's for chemical analysis
7. Role of forensic experts at crime scene
8. Write various crime scene search patterns
9. Collection and preservation of sweat and semen sample
10. General safety considerations while handling evidence in the crime scene management

#### Short Answers: (Any – 10)

**3 X 10 = 30 Marks**

11. Collection of evidence at scene of crime
12. Securing crime scene
13. Forensic database management
14. Suicide note
15. Short note on release crime scene to appropriate authority
16. Traced evidence
17. Documenting the crime scene
18. Chain of custody
19. Sketching of scene of crime
20. Forensic odontology
21. Road traffic accidents