

**BLDE (DEEMED TO BE UNIVERSITY)**

*July-2022*

**B.Sc. ALLIED HEALTH SCIENCES**

[Time: 3 Hours]

[Max.Marks: 80]

**II SEMESTER**

**PAPER – I (HUMAN 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. Name the parts of Digestive system. Describe Liver under following headings

a) Size, shape & Location b) Borders & Surfaces c) Bare areas d) Blood supply (2+2+2+2)

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Portal vein
3. Stomach
4. Kidney
5. Uterus
6. Knee joint
7. Gall bladder
8. Histology of Kidney
9. Pancreas
10. Gluteus maximus muscle

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Name the parts of the small intestine
12. Bile duct
13. Internal trigone
14. Name the quadriceps muscles
15. Name the parts of fallopian tube
16. Name 3 ligaments of liver
17. Neuroglia
18. Name the branches of femoral artery
19. Name 3 parts of hip bone
20. Name the parts of pituitary gland
21. Histology of testis

[Time: 3 Hours]

[Max.Marks: 80]

**II SEMESTER**

**PAPER – II (HUMAN 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. List the hormones secreted from anterior pituitary gland and describe mechanism, functions and effects of abnormal secretion of Growth hormone.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. What is the composition and functions of Cerebrospinal fluid
3. What is Myopia and how it is corrected.
4. Define Synapse. Write types of Synapse
5. Define GFR. Give its Normal Value. Factors affecting GFR
6. Trace the pathway for Touch sensation.
7. List the functions of hypothalamus.
8. Functions of Middle Ear
9. Factors affecting body temperature and mechanism of heat balance
10. Juxta Glomerular Apparatus

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Draw neat and labeled diagrams to depict the structure of Rod and Cone
12. Hypermetropia
13. Draw a neat and labeled diagram of Neuron
14. Enlist functions of Testosterone
15. Contraceptive methods for female
16. Physiological functions of thyroid hormones
17. Define Ovulation and enumerate tests to detect it
18. Color Blindness
19. Neuroendocrine reflex.
20. Draw a neat & labeled diagram of Nephron
21. List the actions of Anti Diuretic Hormone

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**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. Discuss about dietary sources, RDA, absorption, transport and storage of iron in the body. Add a note on disorders associated with iron metabolism (1+1+2+2+2+2)

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Classify plasma proteins. Discuss about their separation
3. Cardiac markers
4. Biochemical basis of atherosclerosis
5. Renal mechanisms of blood pH regulation
6. RDA, sources, functions of calcium in the body.
7. Renal function tests
8. Diabetes mellitus: Types, causes and investigations
9. Biomedical waste management
10. Discuss about types, functions of RNA along with neat labeled diagrams

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Bence Jones proteins
12. Lipid profile
13. Mention the reference ranges of sodium, potassium and chloride in blood
14. Acidosis
15. Functions of iodine
16. Proteinuria
17. Point of care technology (POCT)
18. Name immunoglobulins
19. Principle of Electrophoresis and its importance.
20. Name three tumor markers and the cancers they are associated with.
21. Van den Bergh reaction

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**II SEMESTER**

**PAPER – IV (GENERAL MICROBIOLOGY)**

**QP CODE: 8228, 8233, 8238,8243,8248,8253,8263,8268,8273**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Define Sterilisation. Classify various agents used in Sterilisation. Add a note on Autoclave.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Bacterial cell wall
3. ELISA
4. Difference between exotoxin and endotoxin
5. Define immunity and classify types of immunity
6. Hospital Acquired Infection
7. Mycobacterium tuberculosis.
8. Hepatitis B virus.
9. Dermatomycosis
10. Malaria.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Hepatitis B Vaccine
12. Draw neat labelled diagram of Entamoeba histolytica
13. Difference between virus and bacteria
14. Enlist organisms causing Urinary Tract Infection
15. Classify culture media
16. Enumerate infections caused by Staphylococci
17. Draw neat labelled diagram of IgA
18. Name various Antigen –Antibody reaction
19. Define infection and mention its type
20. Name the fungi causing eye infection
21. Name three RNA Viruses

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**II SEMESTER**

**PAPER – V (BASIC PATHOLOGY & HEMATOLOGY)**  
**QP CODE: 8229,8234,8239,8244,8249,8254,8264,8269,8274**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Name the various anticoagulants used in Hematology. List the advantages, disadvantages and mode of actions of each of them.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Working of cell counter
3. Steps of tissue processing
4. Causes of cell injury
5. Write the differences between benign and malignant tumors
6. Define AIDS. Write two confirmatory tests for AIDS
7. Protocol to be followed after a needle stick injury
8. Define leukemia. Write types of leukemia
9. Biomedical waste management
10. Lab information system

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Write three causes of eosinophilia.
12. Give three examples of granulomatous inflammation.
13. Modes of spread of Hepatitis B virus.
14. Write three causes of proteinuria.
15. Criteria for selection of a blood donor.
16. What is FNAC? Write two uses.
17. What is Pleural effusion? Write two causes.
18. Parts of microscope.
19. Write three causes of iron deficiency anemia.
20. Features of a well spread blood smear.
21. Write three methods of diagnosing malaria.