BSc II

Jan-2023.

BLDE (DEEMED TO BE UNIVERSITY)

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. Describe Stomach under following headings-
   a) Parts b) Relations c) Blood supply d) applied aspects.

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Describe gross anatomy of liver.
3. Describe femoral triangle.
4. Describe gross anatomy of urinary bladder.
5. Histology of large intestine.
6. Describe portal vein and porto-systemic anastomosis.
7. Explain about muscles of back of leg.
8. Histology of testis.
9. Great saphenous vein.
10. Describe parts, ligaments and relations of uterus

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. Name the muscles supplied by common peroneal nerve.
12. Branches of superior mesenteric artery.
13. Appendix.
14. Popleteus muscle.
15. Name the Tarsal bones
16. What is portal triad?
17. Histology of serous salivary gland.
18. Femur
19. Greater omentum.
20. Rectus sheath
21. Name parts of fallopian tube.

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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. Discuss the functions and regulation of secretion of Growth Hormone. Add a note on effects of abnormal secretion of Growth Hormone

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Functions and Regulation of thyroid hormone
3. Spermatogenesis: Definition, Diagram and Description
4. Ovulation: Definition and tests to detect it
5. Synapse: Definition, Diagram and Events associated with transmission of impulse across it
6. Corticospinal Tract: Origin, Course, Termination and Functions
7. Receptors: Definition and Description of their properties
8. Errors of refraction and their correction
9. Visual pathway: Diagram, Description and Effects of lesion in its course on vision
10. Middle ear: Contents and Functions

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. List the features of Diabetes Mellitus
12. List the functions of Testis
13. List the functions of ovary
14. Enumerate the functions of placenta
15. Mechanism of action of a) Oral Contraceptive Pill b) IUCD
16. Draw a diagram to show circulation of cerebrospinal fluid
17. Thermoregulatory centers: Location and Functions
18. Referred pain: Definition and examples
19. Draw a neat and labeled diagram of neuron
20. State the significance of a) Blind spot b) Fovea centralis
21. List the tests of hearing

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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. Explain in detail about sources, RDA, absorption, biochemical functions of Iron. Add a note on deficiency manifestations of Iron.

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Define lipids. Write briefly about structure and functions of Cholesterol.
3. ~~Watson and Crick model of DNA.~~ Explain Glycogenesis & gluconeogenesis
4. Lipid profile. & Explain.
5. Functions and deficiency manifestations of calcium and Phosphorus.
6. What are the differences between DNA and RNA?
7. Biologically important nucleotides
8. Describe the types and functions of Immunoglobulins
9. Tumor Markers : Digestion & Absorption of Carbohydrates.
10. ~~What are Bence-Jones proteins? How they are detected in the urine?~~ Glycolysis

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. What are Bence-Jones proteins? How they are detected in the urine?
12. Goiter
13. Creatinine Clearance test
14. What is the normal range of (1) FBS (2) PPBS (3) RBS.
15. Point of Care testing
16. Fluorosis
17. Biomedical waste
18. Electrophoresis
19. Cardiac markers
20. Functions Albumin
21. C-reactive Proteins

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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. Describe Morphology, mode of transmission and laboratory diagnosis of HIV infection.

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Bacterial spores
3. ELISA
4. Bacterial Growth curve
5. Autoclave
6. Difference between exotoxin and endotoxin
7. Standard (universal) Precautions
8. Niesseria gonorrheae
9. Hepatitis B virus.
10. Cryptococcosis

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. Selective media
12. Louis Pasteur
13. Innate immunity
14. Draw neat labelled diagram of IgA
15. Name three anaerobic bacteria
16. Name three organisms cause zoonotic diseases
17. Name various Antigen –Antibody reaction
18. Define infection and mention its type
19. Name the fungi causing eye infection
20. Name three DNA Viruses
21. Draw neat labelled diagram of Entamoeba histolytica

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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. What is biomedical waste. Describe in detail about its types, segregation and management.

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Types of Blood Groups & Methods of blood grouping
3. Collection & Processing of body Fluids
4. Benedict's test
5. Color code of Vacutainers and their uses
6. Record maintenance
7. Procedure for receiving specimens
8. Primary and secondary tuberculosis
9. Difference between acute and chronic inflammation
10. Haematoxylin and eosin (H & E) staining

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. Write three causes of Neutrophilia
12. Types of blood samples
13. Name three tests for malaria
14. Write six causes of cell injury
15. Types of Hepatitis virus
16. Write three causes of allergy
17. Types of edema
18. What is cross matching?
19. Name three preservatives used for urine
20. Types of leukemia
21. Name three instruments used in histopathology