

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences

[Max. Marks: 80]

[Time: 3 Hours]

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 Stomach under following headings- a) Parts b) Relations c) Blood supply d) applied aspects. (2+3+4+1)

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Describe the femoral triangle – boundaries and contents.
3. Gluteus maximus- origin, insertion, nerve supply and action.
4. Great saphenous vein- origin, course, termination and tributaries.
5. Describe the microscopic structure of liver.
6. Uterus -parts, ligaments and relations.
7. Rectus sheath.
8. Popliteal fossa-boundaries and contents.
9. Spleen- gross anatomy.
10. Urinary bladder-gross anatomy.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Draw a neat labelled diagram of histology of ureter.
12. Name the branches of femoral artery.
13. Sciatic nerve.
14. Epiploic foramen.
15. Spermatic cord.
16. Name muscles of anterior compartment of thigh.
17. Bare areas of liver.
18. Sites of Porto Caval anastomosis.
19. Appendix -various positions.
20. Coverings of kidney.
21. Name the parts of Fallopian tube.

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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. What is spermatogenesis? Discuss about its stages & factors influencing it (2+8)

Short Essays: (Any - 8)

5 X 8 = 40 Marks

2. What is a receptor? List its properties. Discuss any TWO of them in detail
3. Functions & Regulation of secretion of thyroxine
4. Physiological changes that occur during puberty in boys
5. Physiological changes that occur during pregnancy
6. Temporary contraceptive measures in a female individual
7. Discuss the functions of Proximal Convoluted Tubule
8. Nerve supply of urinary bladder
9. What is meant by visual acuity? What are the factors that influence it? How it is tested?
10. Deafness : Definition, Causes & tests to detect it

Short Answers: (Any - 10)

3 X 10 = 30 Marks

11. List the actions of testosterone
12. Intra Uterine Contraceptive Device
13. Explain how sweating helps in temperature regulation?
14. Autonomic Nervous System: Divisions & their functions
15. Draw a neat & labeled diagram to depict flow of Cerebro Spinal Fluid in the brain
16. Draw a neat & labeled diagram to depict a reflex arc
17. List the renal function tests
18. List the functions of placenta
19. Tuning fork tests
20. Draw a neat & labeled diagram to depict flow of aqueous humor
21. Draw a neat & labeled diagram to depict nerve supply to urinary bladder

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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. What is the normal blood glucose level? Describe various mechanisms for its regulation. Add a note on parameters to diagnose Diabetes. [2+6 +2]

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Transamination
3. Name the ketone bodies and add a note on Ketogenesis
4. List the liver function tests explain any two in detail
5. Biomedical waste management
6. Functions of Calcium & Phosphorus
7. Urea cycle disorders
8. Blood buffers
9. Digestion & absorption of lipids
10. Name the electrolytes, its normal plasma level and clinical conditions related to their plasma level alterations

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Lipid profile
12. Pre-analytical errors
13. Fluoride toxicity
14. Cardiac markers
15. Metabolic acidosis
16. Glycogenolysis
17. Role of carnitine in β -oxidation
18. Significance of HMP pathway
19. List the Clearance tests. Explain any one in detail
20. Dehydration
21. Nitrogen balance

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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. Describe Morphology, Pathogenesis and Laboratory diagnosis of Staphylococcus. aureus.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Bacterial Growth curve
3. Laboratory of Enteric fever
4. Explain with diagram- structure of HIV
5. Difference between exotoxin and endotoxin
6. Cultivation of Virus
7. Z N Staining
8. Autoclave
9. IgM Antibody
10. Infection and its types

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Name three Gram Positive cocci
12. Difference between fungi and bacteria
13. Enlist organisms causing Diarrhoea
14. Types of flagella
15. Contribution of Robert Koch in Microbiology
16. Selective media
17. Name three DNA Virus
18. Artificial immunity
19. Name three anaerobic bacteria
20. Name three organism UTI
21. Candidiasis

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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. Describe different methods of blood collection, Preparation of Peripheral smear and staining of peripheral smear.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Write in detail about fixatives and stains used in cytology.
3. Describe the tests for detection of glucose in urine
4. Biomedical Waste
5. Blood Grouping
6. Phagocytosis
7. Define hemostasis. Describe different stages of hemostasis.
8. Define anemia. Write the classification of anemia.
9. Discuss the etiology and pathogenesis of cell injury
10. Define inflammation. Describe its types with examples and write the differences between them.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. List the instruments used in histopathology
12. Write any three differences between benign and malignant tumors
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 Hyperplasia. Write few examples.
17. Write 3 causes of Neutrophilia.
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 & write their uses.