

July - 2022  
25

**BLDE (DEEMED TO BE UNIVERSITY)**  
**BACHELOR OF PHYSIOTHERAPY**

[Time: 3 Hours]

[Max.Marks: 80]

**II SEMESTER**  
**PAPER – I (HUMAN ANATOMY - II)**  
**QP CODE: 8220**

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 the female reproductive system. Describe the Uterus in detail.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Pituitary gland
3. Histology of Parotid gland
4. Spleen
5. Oogenesis
6. Draw a neat labelled diagram of nephron
7. Pancreas
8. Stomach Bed
9. Gluteus Maximus muscle
10. Trigone of the Urinary bladder

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Papillae of Tongue
12. Parts of Small intestine
13. Acetabulum
14. Coverings of Kidney
15. Functions of liver
16. Histology of Thymus
17. Name abdominal muscles
18. Difference between Male and female pelvis
19. Lumbar Vertebrae
20. Hamstring muscles
21. Structure of Neuron

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**II SEMESTER**  
**PAPER – II (PHYSIOLOGY - II)**  
**QP CODE: 8221**

Your answer should be specific to the questions asked.  
Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Enumerate the hormones secreted by adrenal cortex? Describe the functions of cortisol. Add a note on Cushing syndrome?

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Define receptors? write the classification.
3. Describe the functions of insulin, Add a note on diabetes mellitus?
4. Describe origin, course and functions of visual pathway?
5. Describe the functions of Proximal convoluted tubules?
6. Describe connections and functions of basal ganglia?
7. Describe the structure and function of neuron?
8. Define GFR, what is normal value. What are factors affecting GFR ?
9. Describe the tuning fork tests for hearing?
10. Describe briefly Klinefelter's syndrome and Turner's syndrome?

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Draw neat labelled diagram of nephron?
12. Describe theories of color vision?
13. Describe the hormones of posterior pituitary gland?
14. Describe briefly the test for ovulation?
15. Describe impedance matching?
16. Define and classify reflexes?
17. What is tetany?
18. Describe taste pathway?
19. List the functions of cerebellum?
20. Describe briefly Parkinson's disease?
21. Describe briefly contraceptive methods?

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**BACHELOR OF PHYSIOTHERAPY**

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**II SEMESTER**

**PAPER – III (BIOCHEMISTRY -II)**

**QP CODE: 8222**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Give the sources, biochemical functions and deficiency manifestations of calcium and add a note on calcium homeostasis. (1+3+3+3)

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Positive and negative acute phase proteins.
3. Describe protein electrophoresis and its use.
4. Define and classify nucleic acids.
5. Write a note on atherosclerosis
6. Biochemical functions of selenium
7. Watson and crick model of DNA structure.
8. Thyroid function tests
9. Lipid profile and its clinical importance
10. Write a note on the Renal regulation of pH.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. What are buffers? Name any 2 buffer systems.
12. Name any 4 tumor markers and their clinical significance.
13. Define creatinine clearance test.
14. Mention Normal range of Serum cholesterol & its clinical significance
15. Deficiency manifestations of copper
16. t - RNA
17. Plasma proteins
18. Reference range of serum chloride levels.
19. Functions of Immunoglobulins
20. What is point of care testing?
21. Define Growth Factors.