

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

June -2023

[Time: 3 Hours]

[Max. Marks: 80]

**II SEMESTER**  
**PAPER - I (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. Describe the Kidney under following headings  
i) Location ii) External features iii) Coverings iv) Relations and Blood supply.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Supports of Uterus
3. Histology of Large intestine
4. Ovary
5. Blood supply of Stomach
6. Content of femoral triangle
7. Spermatic Cord
8. Gluteus Maximus muscle
9. Trigone of the Urinary bladder
10. Spleen

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Mention different lobes of liver
12. Male Urethra
13. Parts of the Fallopian tube
14. Inguinal canal
15. Rectus sheath
16. Carpus luteum
17. Coverings of Testis
18. Gall bladder
19. Parts of the hip bone
20. Parts of pancreas
21. Hamstring muscles

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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. Draw a schematic diagram of visual pathway. Name the visual cortical areas and their functions.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Define menstrual cycle. Explain hormonal regulation on menstrual cycle.
3. Explain micturition reflex with suitable diagram.
4. Write difference between pituitary dwarf and thyroid dwarf
5. Explain counter current mechanism
6. Trace the pathway for pain sensation.
7. Define reflex. Write any two properties of reflex.
8. Trace pathway for posterior spinothalamic tract
9. Define spermatogenesis. Discuss stages of spermatogenesis.
10. What is CSF? Give its composition and distribution.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. List functions of glucagon
12. Physiological functions of Growth Hormone
13. Write hormones of endocrine part of pancreas and name cells secreting them
14. Contraceptive methods for female.
15. What are the contents of middle ear
16. List non-renal functions of kidney
17. Enlist functions of external ear
18. What is hyperthermia and hypothermia
19. What is myopia and how it is corrected
20. Types of receptors
21. Name hormones involved in calcium homeostasis

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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. Discuss the biochemical functions, dietary requirements, sources and absorption of calcium

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. What is meant by biological waste management? Discuss.
3. What are the steps adopted to correct clinical lab-related errors?
4. What is meant by RFT? Discuss the clinical importance of those parameters in RFT.
5. General reactions of Amino acids.
6. write the clinical significance of magnesium and selenium
7. Discuss the parameters measured to diagnose diabetes mellitus.
8. Discuss the transport mechanism across cell membranes for the absorption of carbohydrates.
9. What are the functions of Zinc in the body?
10. Note on glycolysis and the TCA cycle.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. State a few conditions where hyponatremia can occur.
12. What are the daily requirements of Iodine and iron?
13. Name the parameters estimated to check thyroid function and write their normal ranges.
14. Effect of Dehydration on serum sodium and potassium levels.
15. Normal ranges for 1. FBS. 2. PPBS. 3. Glycosylated HbA1C
16. Name the principal mineral elements which are macronutrients.
17. Important functions of phosphorus in the body.
18. What are the dietary sources of carbohydrates?
19. What are the end products of the digestion of carbohydrates?
20. What is the Acid-Base abnormalities that occur clinically?
21. Name the cardiac markers and mention their normal ranges.

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**II SEMESTER**

**PAPER - IV (Kinesiotherapy - II)**

**QP CODE: 8223**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Discuss in detail structure & function of ankle joint.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Describe structure & function ligaments of lumbar spine.
3. Add a note on hip joint structure.
4. Define gait & discuss swing phase of gait cycle.
5. Define posture & discuss anyone abnormal posture.
6. Discuss movements of Sacroiliac joint.
7. Describe one method of posture assessment.
8. Discuss stability of knee joint.
9. Discuss anyone method of gait assessment.
10. Discuss transverse tarsal arch.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Coxa vara.
12. Genu valgum.
13. Add a note on medial longitudinal arch.
14. Antalgic gait.
15. Patella.
16. Anatomical pulley.
17. Coxa valga.
18. Line of gravity in gait.
19. Posture assessment in lateral view (side).
20. Types of goniometers.
21. Flat foot.