

21/1/26 AM
Jan 26.

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[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 gross structure of the kidney. Add a note on its applied anatomy.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Gross anatomy spleen with applied anatomy.
3. Gross anatomy stomach.
4. What are the female reproductive organs? Describe uterus.
5. Extra-hepatic biliary apparatus.
6. Hip joint – ligaments and movements.
7. Microscopic structure of testes.
8. Popliteal fossa – boundaries and contents.
9. Gross anatomy duodenum.
10. Name the Hamstrings. Describe Adductor magnus muscle.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Name the ligaments of liver.
12. Gluteal region – muscles and nerve supply.
13. Name the characteristic features of large intestine.
14. Name the tarsal bones.
15. Name the medial (adductors) compartment of thigh muscles.
16. What are the endocrine glands?
17. Knee joint – ligaments.
18. Histology of ureter.
19. Name the branches of femoral artery.
20. Lateral compartment of leg – muscles.
21. Ankle joint movements.

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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. Explain the structure of the eye. Discuss the functions of various parts and add a note on visual pathway.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Functions of the nervous system.
3. Reflexes and their clinical importance.
4. Describe the JG apparatus with the help of neat label diagram.
5. Descending tracts of spinal cord.
6. Receptors – classification and functions.
7. Tests for hearing and deafness.
8. Structure of male reproductive system and spermatogenesis.
9. Female reproductive hormones – estrogen and progesterone.
10. Regulation of body temperature and fever.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Define synapse.
12. Factors affecting conduction of impulses.
13. Functions of cerebrospinal fluid.
14. Functions of hypothalamus.
15. Visual pathway.
16. Structure of middle ear.
17. List the hormone secreted by thyroid gland. Add a note on goiter.
18. Oogenesis.
19. Pregnancy tests.
20. Contraceptive methods.
21. Draw a neat label diagram of nephron.

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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 Protein energy malnutrition (PEM) under the following headings: causes, clinical features and complications. Differentiate kwashiorkor and marasmus.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Write a note on the different types of RNA and their functions.
3. Discuss the renal function tests and the interpretations.
4. Discuss the types of immunoglobulins and their functions.
5. What are the deficiency manifestations of Iodine?
6. Define BMR. Add a note on the factors affecting BMR.
7. Define creatinine clearance and the importance of creatinine clearance.
8. What are acute phase proteins? Give any 6 examples.
9. Write a note on modes of transmission of the HIV virus.
10. Give the Sources, RDA and functions (In Brief) and deficiency manifestations of calcium.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Functions of albumin in plasma.
12. Give the sources and RDA of Iron.
13. What is Chargaff's base pairing rule?
14. Give the biological reference interval for T3, T4 and TSH hormones.
15. What are Bence Jones proteins?
16. Give the reference ranges for: serum total proteins, serum albumin and A: G ratio.
17. What is respiratory quotient?
18. Define jaundice.
19. Give the biological functions of fluoride.
20. Structure of t' RNA.
21. Define electrophoresis.

9/11/26

AM

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[Max. Marks: 80]

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. Describe the structure and functions of the hip joint. Add a note on its structural adaptations to weight bearing.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Kinetics and Kinematics of Temporo-Mandibular joint.
3. Kinetics and kinematics of upper extremities in gait.
4. Structure and function of the tibiofemoral joint.
5. Posture Analysis.
6. Structure and function of subtalar and ankle joints.
7. Structure and functions of plantar arches and role of muscles.
8. General features of gait and gait initiation.
9. Phases of gait cycle and determinants of gait.
10. Postural control and ideal posture.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Ground Reaction For.
12. Reduction of muscle forces in unilateral stance.
13. Deviations from normal structure and function of the foot.
14. Kinematics of trunk in gait.
15. Energy requirements of gait.
16. Effects of assistive devices on gait.
17. Malalignments in gait.
18. Static vs dynamic posture.
19. Effects of posture on pregnancy.
20. Movement analysis – sit to stand.
21. Lifting techniques.