

01/07/2024

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 100]

FIRST YEAR (REVISED)

PAPER I - (Anatomy)

QP CODE: 81200

Long Questions: (Any – 2)

10 X 2 = 20 Marks

1. Describe the external features of heart. Explain the right atrium in detail.
2. Describe the popliteal fossa under- boundaries, contents, and applied anatomy.
3. Describe the gross anatomy of stomach under- location, parts and surfaces, relations, blood supply.

Short Essays: (Any – 10)

5 X 10 = 50 Marks

4. Describe the histology of lymph node with a neat labelled diagram.
5. Spermatogenesis.
6. Cerebrum – sulci and gyri
7. Gluteus maximus- origin, insertion, nerve supply and action.
8. Shoulder joint- movements and muscles producing the movements.
9. Adductor canal-boundaries and contents.
10. Pleural recesses.
11. Axillary artery-origin, course, termination and branches.
12. Extra ocular muscles-origin, insertion, nerve supply and action.
13. Cross section of midbrain at the level of superior colliculus.
14. Urinary bladder- gross anatomy.
15. Posterior triangle of neck- boundaries and contents.

Short Answers

3 X 10 = 30 Marks

16. Name the muscles supplied by deep peroneal nerve.
17. Enumerate the carpal bones.
18. Fibrous joints- classification with examples.
19. Major and minor openings in diaphragm.
20. Blood supply of thyroid gland.
21. Anterior relations of right kidney.
22. Draw a neat labelled diagram histology of hyaline cartilage.
23. Parts of male urethra.
24. Sternocleidomastoid muscle- origin, insertion, nerve supply, action.
25. Knee joint-ligaments.

3/7/24

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FIRST YEAR (REVISED)

PAPER II - (Physiology)

QP CODE: 81210

Long Questions: (Any – 2)

10 X 2 = 20 Marks

1. Define, Classify ,Features and Mode of treatment of Hypoxia
2. Describe the origin, course, termination and functions of pyramidal tract. Write a note on upper motor lesion.
3. Define cardiac output. Write factors affecting it and methods to measure.

Short Essays: (Any – 10)

5 X 10 = 50 Marks

4. Referred pain and its theories
5. Active transport mechanism.
6. Rigor Mortis-Definition, Features& Significance
7. Blood transfusion reactions.
8. Functions of testosterone
9. Properties of Reflex.
10. Describe various lung volumes and capacities with their normal values.
11. Define and classify immunity. Describe the role of Lymphocytes in immunity
12. Spermatogenesis
13. Dwarfism
14. Jugular venous pulse (JVP)
15. Composition and functions of pancreatic juice

Short Answers

3 X 10 = 30 Marks

16. What is Action Potential?
17. Starling's Law of Heart
18. What is Fatigue? List the causes of Fatigue
19. Filtration fraction: definition, normal value
20. Decompression sickness
21. Blood – brain barrier.
22. Draw structure of neuron
23. LH surge
24. Refractory period-Definition, Types & Significance
25. Salutatory Conduction

July 2024

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[Time: 3 Hours]

[Max. Marks: 80]

**FIRST YEAR (REVISED)
PAPER III - (Biochemistry)
QP CODE: 81220**

Long Questions: (Any - 2)

10X2 = 20 Marks

1. Discuss the biochemical functions, sources, RDA and deficiency manifestations of Vitamin D.
2. Describe the Urea cycle. What is normal blood urea level? Name two conditions in which blood urea level increases.
3. Define enzymes, coenzymes and cofactors. Classify the enzymes with suitable examples.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Write about RDA and the physiological role of calcium.
5. Write in detail about Gluconeogenesis.
6. Define BMR and state the factors affecting BMR.
7. Discuss the Nutritional role of protein in diet.
8. Describe the functions and disorders of collagen
9. What are hormones? Discuss the classification of hormones.
10. Role of the kidney in the regulation of blood pH
11. Factors affecting the distribution of water in the human body.

Short Answers:

3 X 10 = 30 Marks

12. SDA and its significance
13. What is Nitrogen balance? Explain.
14. Name two reducing disaccharides and their composition.
15. Name the biochemical tests with their normal range, done under RFT
16. Essential fatty acids
17. What is enzyme inhibition? Describe competitive inhibition.
18. What are ketone bodies? Describe ketosis.
19. What is amino acid pool?
20. Pellagra.
21. What is Fluorosis?

July - 2024.

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[Time: 3 Hours]

[Max. Marks: 80]

FIRST YEAR (REVISED)

PAPER IV - (Kinesiology)

QP CODE: 81230

Long Questions: (Any - 2)

10X2 = 20 Marks

1. What structures comprise Extensor mechanism? Write in detail about the extensor mechanism of hand.
2. Define gait. Explain the determinants of gait.
3. Name the structures which help in stability of vertebral column. Explain in detail the biomechanics of lumbar spine.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Explain glenohumeral rhythm.
5. Explain Newton's laws of motion with examples
6. Types, principles & uses of goniometry
7. Define Passive insufficiency. Explain in detail with appropriate example.
8. Explain the mechanics of rib cage movement during inspiration
9. Elements of muscle structure
10. Define joint. Write a note on synovial joint
11. Describe the various walking aids used in rehabilitation

Short Answers:

3 X 10 = 30 Marks

12. Pes cavus
13. Function of anterior cruciate ligament
14. Q angle
15. Scoliosis
16. What is active insufficiency?
17. What is kyphosis & lordosis
18. Lateral prehension
19. What is double support time?
20. Define meniscus
21. Define Torque

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[Time: 3 Hours]

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**FIRST YEAR (REVISED)
PAPER V - (Psychology /Sociology)
QP CODE: 81240/81250
QP Code: 81240 – Psychology**

[40 marks]

Long Questions: (Any – 1)

10X1 = 10 Marks

1. Define Psychology. Explain in detail about branches of Psychology
2. Define Personality. List out the types and traits of personality

Short Essays: (Any – 3)

5 X 3 = 15 Marks

3. List the effective ways of learning
4. Defense mechanism
5. Intelligence
6. Motivation

Very Short Essay (All – 5)

3 X 5 = 15 Marks

7. Phobia
8. Branches of psychology
9. Attention
10. Learning disabilities
11. Methods of psychology

QP Code: 81250 – (Sociology)

[40 marks]

Long Questions: (Any – 1)

10X1 = 10 Marks

1. Define Social changes. Role of social planning in improvement of health and rehabilitation
2. Define social group. Explain about types of social group

Short Essays: (Any – 3)

5 X 3 = 15 Marks

3. Social Factors
4. Family
5. Ruban community
6. Culture health

Very Short Essay (All – 5)

3 X 5 = 15 Marks

7. Social work
8. Poverty and unemployment
9. Problems of women in employment
10. Agencies of socialization
11. Social Problems