

11/7/20
PM

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

FIRST YEAR (REVISED)

PAPER I - (Anatomy)

QP CODE: 81200

Your answer should be specific to the questions asked.

Each answer should be written on new page only.

Write Question No. in the middle of margin.

Long Questions: (Any – 2)

10 X 2 = 20 Marks

1. Describe the external features of heart. Add a note on the blood supply of heart.
2. Explain the shoulder joint – type, articular surfaces, ligaments, movements and muscles producing the movements.
3. Describe the cerebellum and its functions.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Describe histology of lymph node.
5. Spermatogenesis.
6. Describe the diaphragm – origin, insertion and action with nerve supply.
7. Hip joint – type and movements with muscles producing the movements.
8. Blood supply to the long bone.
9. Femoral triangle – boundaries and contents.
10. Describe T S of midbrain at the level of superior colliculus.
11. Thyroid gland – location, coverings and blood supply.

Short Answers

3 X 10 = 30 Marks

12. Enumerate branches of axillary artery.
13. Biceps brachii muscle-origin, insertion, nerve supply.
14. Enumerate contents of middle mediastinum.
15. Enumerate the tarsal bones.
16. Enumerate parts of extra hepatic biliary apparatus.
17. Classify synovial joints with examples.
18. Draw a neat labelled diagram of histology of skin.
19. Contents of carotid triangle of neck.
20. Enumerate contents of popliteal fossa.
21. Enumerate the muscles supplied by deep peroneal nerve.

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BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

FIRST YEAR (REVISED)

PAPER II - (Physiology)

QP CODE: 81210

Your answer should be specific to the questions asked.

Each answer should be written on new page only.

Write Question No. in the middle of margin.

Long Questions: (Any – 2)

10 X 2 = 20 Marks

1. Describe the various mechanisms of transport of substances across the cell membrane.
2. Define cardiac output. Give its normal value and explain the factors regulating cardiac output.
3. Describe the visual pathway with a neat labelled diagram.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Describe the classification and functions of plasma proteins.
5. Explain excitation–contraction coupling with a neat labelled diagram.
6. Draw and explain lung volumes and capacities.
7. Explain the different types of small intestinal motility.
8. Describe briefly the reabsorption of various substances in renal tubules.
9. Describe the synthesis, regulation and functions of thyroid hormones.
10. Describe the functions of placenta.
11. Define and classify reflexes.

Short Answers

3 X 10 = 30 Marks

12. $\text{Na}^+ - \text{K}^+$ pump.
13. Hemophilia.
14. Draw and label a sarcomere.
15. Differentiate first and second heart sounds.
16. Composition and functions of bile juice.
17. Anatomical and physiological dead space.
18. Define GFR and give its normal value.
19. Acromegaly.
20. Draw reflex arc and label its components.
21. Functions of aqueous humour.

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BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

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

Your answer should be specific to the questions asked.

Each answer should be written on new page only.

Write Question No. in the middle of margin.

Long Questions: (Any - 2)

10X2 = 20 Marks

1. Describe glycolysis with steps and significance.
2. Explain digestion and absorption of proteins.
3. Describe urea cycle and its disorders.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Balanced diet
5. Classification of carbohydrates
6. Functions of lipids
7. Biologically important peptides.
8. Enzyme inhibition
9. DNA structure
10. Vitamin D – functions and deficiency
11. Acid-base balance

Short Answers:

3 X 10 = 30 Marks

12. Define BMR
13. Respiratory quotient
14. Essential amino acids
15. Isoenzymes and their clinical significance.
16. Ketone bodies
17. Functions of cholesterol
18. Glycosidic bond
19. Second messengers
20. Renal function tests
21. Signal transduction

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BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

FIRST YEAR (REVISED)
PAPER IV - (Kinesiology)
QP CODE: 81230

Long Questions: (Any - 2)

10X2 = 20 Marks

1. Define gait discuss in detail the determinants of gait & kinematic analysis
2. Define lever & discuss types of lever in detail with its importance in physiotherapy.
3. Describe structure & biomechanics of temporo-mandibular joint.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Discuss about diaphragm & its role in respiration.
5. Discuss about muscles & ligaments of vertebral column.
6. Enumerate different walking aids & discuss training of any 2 of them.
7. Discuss biomechanics of hip joint.
8. Describe muscle fiber structure & mention types of contraction.
9. Define goniometry & discuss types of goniometer.
10. Define joint & classify joints describe anyone type.
11. Discuss active & passive insufficiency with example.

Short Answers:

3 X 10 = 30 Marks

12. Shoulder wheel.
13. Glenohumeral rhythm
14. Menisci & their role.
15. Nutation & counter nutation.
16. Types of muscle fibers.
17. Scoliosis
18. Genu recurvatum
19. Elasticity & its use in physiotherapy.
20. Types of posture with examples.
21. Gravitational force.

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BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

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 Conflict? Explain in detail about types of conflict
2. Define leadership and Explain in detail about types of leadership

Short Essays: (Any – 3)

5 X 3 = 15 Marks

3. Methods of psychology
4. Growth and development of infancy
5. Classification of motives
6. Management of stress

Very Short Essay (All – 5)

3 X 5 = 15 Marks

7. Importance of Psychology in Physiotherapy
8. Projective technique
9. Assessment of intelligence
10. Illusion and hallucination
11. Problem Solving

QP Code: 81250 – (Sociology)

[40 marks]

Long Questions: (Any – 1)

10X1 = 10 Marks

1. Define sociology and explain the scope of sociology
2. Define Social Problems and explain the population explosion

Short Essays: (Any – 3)

5 X 3 = 15 Marks

3. Factors affecting Social Change.
4. Difference between Rural and Urban Community
5. Characteristics of Culture.
6. Juvenile Delinquency

Very Short Essay (All – 5)

3 X 5 = 15 Marks

7. Anthropology.
8. Characteristics of Secondary Group.
9. Functions of Family.
10. Agencies of Socialization.
11. Social security