

21/01/11 AM  
Jan-28

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

[Time: 3 Hours]

[Max. Marks: 80]

**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- borders and surfaces and the Right atrium in detail.
2. Describe hip joint under following headings a) Type of joint b) Articular surfaces c) Ligaments d) Movements and muscles producing movements
3. Describe the gross anatomy of thyroid gland-location, coverings, parts, relations and blood supply

**Short Essays: (Any - 6)**

**5 X 6 = 30 Marks**

4. Corpus callosum
5. Fertilization.
6. Transverse section at the lower part of pons.
7. Blood supply to long bones
8. Histology of testis
9. Cubital fossa-boundaries and contents
10. Uterus-location, parts and ligaments
11. Describe gross anatomy of second part of duodenum.

**Short Answers**

**3 X 10 = 30 Marks**

12. Types of neuroglial cells
13. Name the branches from the axillary artery
14. Pronation and supination- Definition, muscles producing movements.
15. Name the nuclei of cerebellum
16. What are contents of carotid triangle of neck?
17. What are the major openings of diaphragm and their contents?
18. Enumerate cartilages of larynx
19. Name the muscles supplied by deep peroneal nerve
20. Parts of fallopian tube.
21. What are the movements possible at shoulder joint and which muscles produce particular movement?

Jan-2-6

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**BACHELOR OF PHYSIOTHERAPY**

[Time: 3 Hours]

[Max. Marks: 80]

**FIRST YEAR (REVISED)**  
**PAPER II - (Physiology)**  
**QP CODE: 81210**

**Long Questions: (Any - 2)**

**10 X 2 = 20 Marks**

1. Define cardiac cycle with a neat labeled diagram explain the events in the cardiac cycle.
2. Define erythropoiesis. Add a note on stages of erythropoiesis with neat diagram.
3. Describe the centers and Neural regulation of respiration with neat labelled diagram.

**Short Essays: (Any - 6)**

**5 X 6 = 30 Marks**

4. Classify WBC with help of neat labelled diagram. Describe the functions of WBCs.
5. Describe the functions and regulation of Insulin.
6. Describe different blood groups and discuss the clinical importance of blood grouping.
7. Define and classify Immunity.
8. What is the composition of Saliva and list the functions of saliva?
9. Define ECG with a neat labeled diagram explain the different waves
10. Write the properties of skeletal muscle.
11. Spermatogenesis.

**Short Answers**

**3 X 10 = 30 Marks**

12. Differentiate 1st & 2nd heart sounds
13. Describe diffusion and osmosis
14. Diabetics mellitus
15. All or None Law
16. Define Glomerular Filtration Rate (GFR). Give its normal value.
17. Functions of placenta
18. How much is the total body water (TBW). How TBW is distributed in body.
19. Component of reflex arc
20. Plasma proteins
21. Acromegaly

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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. Describe the Urea cycle. What is normal blood urea level? Name two conditions in Which blood urea level increases.
2. Describe digestion and absorption of carbohydrates.
3. Discuss the biochemical functions, sources, RDA and deficiency manifestations of Vitamin A.

**Short Essays: (Any - 6)**

**5 X 6 = 30 Marks**

4. What is Glycolysis? Write about its significance.
5. Write a note on trace elements
6. What are ketone bodies? describe the ketosis
7. What are the conditions causing vitamin D deficiency?
8. Biochemical functions of Zinc
9. Discuss the nutritional role of protein in the diet.
10. What is BMR? Explain the factors influencing BMR
11. Explain a balanced diet. Mention the Caloric values of carbohydrates, fats and proteins

**Short Answers:**

**3 X 10 = 30 Marks**

12. What are the different buffer systems present in the body to maintain Acid-Base balance.
13. SDA and its significance
14. Glycosuria
15. What are the essential Amino acids? Name them
16. Anti-oxidant role of vitamin - E
17. Role of hydrochloric acid in protein digestion.
18. What is enzyme inhibition? Describe competitive inhibition.
19. Name the biochemical tests with their normal ranges, done under RFT
20. ~~What are ketone bodies? Describe ketosis.~~ Acid base disorders with example
21. Name two reducing disaccharides and their composition.

9/1/26  
Am  
Jan-26

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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. Define lever and explain in detail about types/orders of levers with examples and neat diagrams.
2. Discuss shoulder joint anatomy add a note on it's kinetics & kinematics.
3. Describe the microscopic structure of muscle fiber & classify muscles.

**Short Essays: (Any - 6)**

**5 X 6 = 30 Marks**

4. Define & classify joints, explain any one type.
5. Discuss knee joint kinematics.
6. Discuss the precision grips.
7. Explain active and passive insufficiency with example.
8. Discuss respiratory muscles.
9. Add a note on diaphragm & its role in breathing.
10. Discuss functions of cervical spine.
11. Kinematics of TMJ (Temporo-mandibular joint)

**Short Answers:**

**3 X 10 = 30 Marks**

12. Screw home mechanism in knee joint.
13. Explain coxa vara & coxa valga.
14. Name the thenar & hypothenar muscles.
15. Define gait & explain hand to knee gait.
16. Anatomical pulleys in humans.
17. Scoliosis
18. Define force & mention types.
19. Define cadence, step length.
20. Define carrying angle & its normal value.
21. Define goniometry & mention types.

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AM  
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[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 motivation and Explain the Abraham Maslow's theory of need hierarchy
2. Define learning and Explain in detail about theories of learning

**Short Essays: (Any – 3)**

**5 X 3 = 15 Marks**

3. Stress Management
4. Attention
5. Types of Leadership
6. Defense Mechanism

**Very Short Essay (All – 5)**

**3 X 5 = 15 Marks**

7. Perception
8. Theories of emotion
9. Factors affecting learning
10. Reasoning and its types
11. Attitude

**QP Code: 81250 – (Sociology)**

**[40 marks]**

**Long Questions: (Any – 1)**

**10X1 = 10 Marks**

1. Define social group, Explain the types of social groups in detail
2. Define sociology and Explain the importance of Sociology

**Short Essays: (Any – 3)**

**5 X 3 = 15 Marks**

3. Explain the characteristics of Community
4. Discuss the problems of Urbanization
5. Explain the types and functions of family
6. Role of social factors in Health and Illness.

**Very Short Essay (All – 5)**

**3 X 5 = 15 Marks**

7. Importance of Culture
8. Nature of socialization
9. Social worker
10. Advantages of Joint Family system
11. Technological factors of social change