

3126
1207

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

SECOND YEAR (REVISED)

PAPER I - (Pathology & Microbiology)

QP CODE: 82200 - (Pathology)

Long Questions: (Any – 1)

10X1 = 10 Marks

1. Define anemia. Classify anemia. List causes for megaloblastic anemia. Write peripheral smear and bone marrow findings of megaloblastic anemia. (2+2+2+2+2)
2. Define Repair and Wound healing. What is primary and secondary union? Write factors promoting and delaying the healing process. (2+2+3+3)

Short Essays: (Any – 3)

5 X 3 = 15 Marks

3. What is meningitis? Write types, CSF findings in each type. (1+1+3)
4. What is Rheumatic fever and Rheumatic heart diseases? Write etiopathogenesis and morphology of same. (1+2+2)
5. What is Pneumonia? Write types, stages and clinical features. Draw a neat labelled diagram of any two stages. (1+2+2)
6. Define cirrhosis. List clinical features and complications of liver failure. (1+2+2)

Very Short Essay: (All – 5)

3 X 5 = 15 Marks

7. List any three causes of cell injury
8. Define inflammation. Write types
9. List down types of Embolism
10. List down types of shock
11. Name types of gall stones

QP Code: 82250 – (Microbiology)

[40 marks]

Long Questions: (Any – 1)

10X1 = 10 Marks

1. Draw a neat labelled diagram of Bacterial cell. Add a note on bacterial flagella
2. Name the infections caused by staphylococcus aureus. write the pathogenesis and laboratory diagnosis of staphylococcus aureus

Short Essays: (Any – 3)

5 X 3 = 15 Marks

3. Hepatitis B
4. Candidiasis
5. ELISA
6. Laboratory diagnosis of pulmonary tuberculosis

Very Short Essay: (All – 5)

3 X 5 = 15 Marks

7. Hospital acquired infections
8. Types of vaccines
9. Gram stains
10. Name the organisms causing meningitis.
11. Universal precautions.

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SECOND YEAR (REVISED)
PAPER II - (Pharmacology)
QP CODE: 82210

Long Questions: (Any – 2)

10 X 2 = 20 Marks

1. Classify antiepileptic drugs. Discuss the mechanisms of action, adverse effects of Phenytoin.
2. Describe mechanism of action, therapeutic uses and adverse effects of glucocorticoids.
3. Classify drugs used in heart failure, describe mechanism of action and adverse effects of digoxin.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Discuss advantages and disadvantages of IV route of drug administration.
5. Classify adrenergic drugs.
6. Describe mechanism of action and therapeutic uses of calcium channel blockers.
7. Describe drugs used in rheumatoid arthritis.
8. Describe the mechanism of action and therapeutic uses of diazepam.
9. Classify anti-histaminics and list their therapeutic uses.
10. Enumerate proton pump inhibitors and their uses.
11. Classify NSAIDs.

Short Answers

3 X 10 = 30 Marks

12. Define half-life of drug.
13. Define first pass metabolism.
14. Mention two drugs used in myasthenia gravis.
15. Mention three antidepressants.
16. Mention two ACE inhibitors and their uses.
17. Mention two bronchodilators.
18. List two immunosuppressants.
19. List two antifungal drugs.
20. Mention two therapeutic uses of aminoglycosides.
21. Mention two anabolic steroids.

11715
P09

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SECOND YEAR (REVISED)
PAPER III - (Exercise Therapy)
QP CODE: 82220

Long Questions: (Any – 2)

10 X 2 = 20 Marks

1. Classify passive movements. Elaborate on principles, indications and techniques.
2. Explain proprioceptive neuromuscular facilitation (PNF) in detail.
3. Describe aerobic exercise – principles and physiological effects.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Describe goniometry principles and uses and explain goniometry for hip joint.
5. Manual muscle testing
6. Active assisted exercises
7. Define Stretching explain its techniques.
8. Suspension therapy
9. Balance Assessment and training.
10. Postural drainage
11. Frenkels exercise

Short Answers

3 X 10 = 30 Marks

12. ROM
13. Endurance
14. Isometric exercise
15. Muscle tone
16. Crutch gait
17. Deep breathing exercise
18. Joint mobilization
19. Posture
20. Hydrotherapy
21. Massage – principles

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BLDE (DEEMED TO BE UNIVERSITY)
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[Time: 3 Hours]

[Max. Marks: 80]

SECOND YEAR (REVISED)
PAPER IV - (Electrotherapy)
QP CODE: 82230

Long Questions: (Any – 2)

10 X 2 = 20 Marks

1. Explain Ultrasound therapy: principles, production, dosage and contraindications.
2. Discuss Short Wave Diathermy in detail including circuit and clinical applications.
3. Explain Faradic current and its therapeutic uses.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Define Ohm's law and applications.
5. Types of TENS.
6. Pain gate control theory.
7. Electrode placement principles.
8. IFT .
9. Cryotherapy- Principles, techniques, physiological and therapeutic effects.
10. LASER therapy.
11. SD curve.

Short Answers

3 X 10 = 30 Marks

12. Galvanic current.
13. Types of current.
14. HVPGS.
15. EMG.
16. UVR types.
17. Wax therapy.
18. Biofeedback.
19. Iontophoresis.
20. Magnetic stimulation.
21. Fluidotherapy.

11/07/20
AM

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SECOND YEAR (REVISED)
PAPER IV - (Research Methodology Biostatistics & EBP)
QP CODE: 82240

Long Questions: (Any – 2)

10 X 2 = 20 Marks

1. Define research design and explain different types of research designs.
2. Explain measures of central tendency with examples.
3. Describe evidence based practice and its importance.

Short Essays: (Any - 6)

5 X 6 = 30 Marks

4. Sampling design
5. Data collection methods
6. Questionnaire vs schedule
7. Probability distribution
8. Hypothesis testing
9. Graphical representation of data
10. ANOVA
11. Levels of evidence

Short Answers

3 X 10 = 30 Marks

12. Write the 3 Measures of dispersion.
13. Normal distribution Curve
14. Reflective Practitioner
15. Variable
16. Standard deviation
17. List the types of Economic Evaluation.
18. Kurtosis
19. Sampling error
20. Meta-analysis
21. CAT

14/7/26
RM

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SECOND YEAR (REVISED)

PAPER VI - (Computer Applications & Professional Management)

QP CODE: 82260 - (Computer Applications) [40 marks]

Long Questions: (Any – 1)

10X1 = 10 Marks

1. Explain basic concepts of computers, features, advantages and role in physiotherapy.
2. Describe hardware components and their functions.

Short Essays: (Any – 3)

5 X 3 = 15 Marks

3. Data processing
4. Software classification
5. Operating systems
6. Computer applications in physiotherapy

Very Short Essay: (All – 5)

3 X 5 = 15 Marks

7. Input devices
8. Output devices
9. Storage devices
10. Virus
11. EMG

QP Code: 82270 – (Professional Management)

[40 marks]

Long Questions: (Any – 1)

10X1 = 10 Marks

1. Explain principles and scope of management in physiotherapy.
2. Describe hospital management and organization.

Short Essays: (Any – 3)

5 X 3 = 15 Marks

3. Personnel management
4. Planning process
5. Budget in physiotherapy
6. Self-management

Very Short Essay: (All – 5)

3 X 5 = 15 Marks

7. Resume
8. Time management
9. Organizational chart
10. Communication
11. Quality management