

BLDE (DEEMED TO BE UNIVERSITY)

June-2023.

BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max.Marks:40 marks]

III SEMESTER

PAPER – I (Microbiology & Pathology)

QP CODE: 8320

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Section – A (Microbiology)

Long Questions

10X1 = 10 Marks

1. Describe Morphology, Pathogenesis and Laboratory diagnosis of diphtheria. (2+3+5)

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Hospital acquired Infection
3. Agglutination reaction
4. Difference between active and passive immunity
5. Bacterial Spores
6. IgM

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Louis Pasteur
8. Coagulase test
9. Name three anaerobic media
10. Enumerate infections caused by Streptococci
11. Exotoxin
12. Selective media

Section – B (Pathology)

Long Questions

10X1 = 10 Marks

1. Describe the etiopathogenesis, stages and complications of lobar pneumonia (4+4+2)

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Describe the gross and microscopic differences between benign and malignant tumours.
3. Describe the clinical features and chromosomal abnormalities of Down syndrome.(3+2)
4. Discuss the etiopathogenesis of atherosclerosis.
5. Discuss about Healing by primary and secondary intention.
6. Etiopathogenesis of osteoarthritis.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Describe morphology of TB granuloma with a neat labelled diagram.
8. Define hypertrophy. Give 2 examples
9. Write the CSF findings in pyogenic meningitis.
10. Define infarct. Write the types.
11. Enlist 4 special stains for amyloid.
12. Enumerate modes of spread of HIV Infection.

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[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER
PAPER-II (ELECTROTHERAPY- I)
QP CODE: 8321

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. What is SD curve? Explain the procedure of SD curve for radial nerve. Write the interpretation with a schematic diagram and mention its merits and demerits.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Explain physiological and therapeutic effects of faradic currents.
3. Explain procedure of Iontophoresis in the treatment of hyperhidrosis.
4. Explain in brief about the EMG.
5. Explain types of TENS with its indication and contraindication.
6. Faradic- Galvanic test
7. Explain the role of HVPGS in wound management.
8. Define pain and types of pain. Explain in detail about any two theories of pain.
9. Micro currents.
10. Explain in brief about the sinusoidal current and Daidynamic current.

Short Answers: (Any – 10)

3 X 10 = 30 Mark

11. Electromagnetic Induction.
12. Difference between antidromic and orthodromic conduction.
13. Biofeedback.
14. Define Rheobase and Chronaxie.
15. Define action potential and accommodation.
16. Define Ohm's law and Joules law.
17. Define Macro currents.
18. Resistance in series and parallel.
19. Name the drugs used in Iontophoresis.
20. Benefits of Nerve conduction velocity.
21. Cathodal and anodal galvanism

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[Time:3 Hours]

[Max.Marks:40 marks]

III SEMESTER

PAPER – III (Psychology & Sociology)

QP CODE: 8322/8324

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Section - A (Psychology)

Long Questions

10X1 = 10 Marks

1. Define psychology? Explain in detail about branches of psychology?

Short Essays: (Any – 5)

5 X 4 = 20 Marks

2. Abraham maslow's theory of need
3. Theory of emotion?
4. Explain the determinants of attention
5. Define leadership? Explain in detail about types of leadership
6. Management of frustration and conflict?

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Factors affecting learning
8. Rating scale
9. Motivation cycle
10. Importance of psychology in physiotherapy?
11. Types of conflict
12. List out the effective way of learning

Section B (Sociology)

Long Questions

10X1 = 10 Marks

1. Define Social changes. Explain in detail about social planning in the improvement of health and rehabilitation

Short Essays: (Any – 5)

5 X 4 = 20 Marks

2. Juvenile Delinquency.
3. Role of social factors in Health and Illness
4. Role of Primary and Secondary groups in Hospital.
5. Agencies of Socialization
6. Geriatric Problems

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Informal Groups.
8. Role of Medical Social Worker
9. Culture of health disorders
10. Scope of Sociology
11. Functions of Family.
12. Define Socialization and types.

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[Time: 3 Hours]

[Max. Marks: 80]

**III SEMESTER
PAPER-IV (EXERCISE THERAPY-I)
QP CODE: 8323**

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. What is manual muscle testing? Explain any two grading techniques for assessing muscle power.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Explain the limb length measurement in detail.
3. What are the types and uses of suspension therapy?
4. Define PNF. Explain the principles of PNF.
5. Active assisted exercise.
6. What are the various principles of relaxations? Describe any one method.
7. Define resisted exercises. Enumerate the principle of resisted exercise training.
8. Define passive movements. Explain its types and principles.
9. Explain in detail about measurement of muscle girth.
10. What are active exercises? Mention its classification and uses.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Principles of free exercises
12. Benefits of suspension therapy.
13. Define 10 RM
14. Hold relax and Rhythmic stabilization.
15. Open chain and closed chain exercises.
16. Types of stress on the body and name relaxation techniques.
17. Mac queens method of Progressive Resisted Exercise.
18. Reversibility Principle.
19. BMI and Waist-Hip ratio.
20. Types of skeletal muscle fibers.
21. Enumerate any one grading's for Manual Muscle Testing (MMT).