

JAN - 2024
BLDE (DEEMED TO BE UNIVERSITY)
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. Define Infection, mention types of infection, and give its examples. Explain modes of transmission. (1+4+5)

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Koch's postulate
3. Universal precautions
4. Autoclave
5. ELISA
6. Pathogenesis of Staphylococcal infection

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Enumerate three Gram positive cocci
8. Innate Immunity
9. OT sterilization
10. Types of Infections
11. Enumerate bacteria causing Meningitis
12. Enumerate three enriched media

Section – B (Pathology)

Long Questions

10X1 = 10 Marks

1. Define edema. Discuss etiopathogenesis of edema. Discuss renal edema.

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Discuss the etiology and pathogenesis of cell injury
3. Phagocytosis
4. Laboratory Diagnosis of Megaloblastic anemia
5. Describe alcoholic liver disease.
6. Down syndrome

Very Short Essay (Any – 5)

2 X 5 = 10 Marks

7. Name the diseases transmitted by blood transfusion.
8. What is hemolytic anemia. Name few hemolytic anemias
9. List the risk factors of atherosclerosis
10. Write the complications of Pneumonia
11. Write three examples of type I Hypersensitivity reaction
12. Define Hyperplasia. Write few examples.

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[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. Describe in detail TENS, and explain types of TENS with parameter.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Define Pain and explain Pain Gate theory.
3. Write a note on iontophoresis.
4. Add a note on micro currents.
5. Describe the parameters, physiological effects of sinusoidal currents.
6. Add a note on HVPGS.
7. Explain in brief Strength Duration Curve.
8. Describe the physiological and therapeutic effects of faradic current.
9. Short note on faradism under pressure.
10. Explain the principles of working and indications of NMES.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Ohms law and its application to DC/ AC.
12. Define electrical current.
13. Define biofeedback and mention its types.
14. Define motor unit.
15. Wallerian degeneration.
16. Classify pain fibers.
17. Define Chronaxie and Rheobase.
18. Synapse
19. Types of electrodes of EMG
20. Anodal galvanism.
21. Physiological effects of galvanic current.

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[Time: 3 Hours]

[Max. Marks: 40 marks]

III SEMESTER
PAPER – III (Psychology & Sociology)
QP CODE: 8322

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 methods of psychology?

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Define leadership? Explain in detail about types of leadership?
3. Factors influencing perception
4. Define Conflict? Explain in detail about types of conflict
5. Explain about Factors affecting learning
6. Management of frustration and conflict

Very Short Essay (Any – 5)

2 X 5 = 10 Marks

7. Steps in creative thinking
8. Role of heredity and environment in physical and psychological development
9. Steps in creative thinking
10. Projective techniques
11. List out the factors influencing perception
12. Methods of psychology

Section – B (Sociology)

Long Questions

8324

10X1 = 10 Marks

1. Define Sociology, Explain the importance for studying sociology in Physiotherapy.

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Difference between Rural and Urban Community.
3. Factors affecting Social Change.
4. Difference between Primary and Secondary Group.
5. Alcoholism is a Social problem, Discuss.
6. Characteristics of Culture.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Anthropology.
8. Characteristics of Secondary Group.
9. Define Socialization and types.
10. Social Problems.
11. Functions of Family.
12. Agencies of Socialization.

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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. Define suspension therapy. Explain principle and types of suspension therapy.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Write a note on active exercise.
3. Define passive movement, explain its principles, indications and contraindications.
4. Anthropometric skin folds thickness measurement.
5. Define suspension therapy, add a note on its indications, contraindications and benefits of suspension therapy.
6. Write a short note active assisted exercise.
7. Grading's of Manual muscle testing.
8. Add a note on PNF mobility techniques of facilitation.
9. Short note on Limb length measurement.
10. Define relaxation and its types.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Define strength, power and endurance.
12. Waist hip ratio.
13. Difference between open and closed chain exercises.
14. MRC grading for manual muscle testing.
15. Pendular suspension therapy.
16. Define body mass index.
17. Define ten repetitive maximum.
18. Types of muscle proteins.
19. Types of free exercise.
20. Measurement of height and weight in adult.
21. PNF diagonal pattern for lower limb