

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.

QP CODE: 8320 (Microbiology)

Long Questions

10X1 = 10 Marks

1. Morphology, Pathogenesis and Lab diagnosis of Staphylococcal infection (2+4+4)

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Bacterial Spores
3. Innate Immunity
4. Moist heat sterilization
5. ELISA
6. Pathogenesis and Laboratory diagnosis of Gonorrhoea

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Enumerate three Gram positive bacilli
8. Enumerate types of agglutination test
9. Enumerate three live attenuated vaccines
10. Enumerate antiseptics
11. Enumerate bacteria causing Meningitis
12. Enumerate aerobic culture method

QP CODE: 8319 (Pathology)

Long Questions

10X1 = 10 Marks

1. Define and classify neoplasia. Describe the differences between benign and malignant tumors.

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Write about wound healing in detail.
3. Write the clinical features and Laboratory Diagnosis of Viral Meningitis
4. Describe the etiology, gross and microscopy of Atherosclerosis.
5. Write the clinical features and diagnosis of tubercular Osteomyelitis
6. What is Granuloma? Draw a neat labelled diagram of granuloma. Give some examples of granulomatous inflammation.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Name the causes of microcytic hypochromic anemia.
8. Define Metaplasia. Give some examples
9. What is dystrophic calcification? Give some examples.
10. Write the modes of transmission of HIV
11. Mention four complications of diabetes mellitus
12. Write the etiology of Lung Carcinoma. Write the morphological types of lung carcinoma.

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Jan-2023.

[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. Define Pain. Mention various theories of pain and explain in detail about pain gate control theory.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Mention the different types of TENS. What are the indications and contraindications of TENS?
3. What is EMG? Explain its therapeutic uses.
4. Define Iontophoresis with its principles and indication.
5. Physiological and therapeutic effects of galvanic current.
6. Explain using strength duration curve how will you evaluate whether the muscle is partially or completely denervated.
7. Explain the role of HVPGS in wound management.
8. Faradic- Galvanic test.
9. Explain in brief about the sinusoidal current and Daidynamic current.
10. Micro currents.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Resting membrane potential and Accommodation
12. Define macro currents.
13. Rheobase and Chronaxie.
14. Define electricity and units of electricity.
15. Types of TENS.
16. Physiological effect of faradic current.
17. Difference between SD curve and EMG.
18. Motor unit and synapse.
19. Resistance in series and parallel.
20. Biofeedback.
21. Therapeutic effects of faradic current.

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[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.

QP CODE: 8322 (Psychology)

Long Questions

10X1 = 10 Marks

1. Define Psychology. Explain the scope of psychology

Short Essays: (Any – 4)

4 X 5 = 20 Marks

2. Frustration and its management
3. Concept of ID ,EGO, and SUPER EGO
4. Effective ways of learning
5. Role of primary and secondary motives in motivation
6. Theory of emotion

Short Answers (Any – 5)

5 X 2 = 10 Marks

7. Structuralism
8. Attitude
9. Perception
10. Frustration
11. Creative thinking
12. Types of delusion

QP CODE: 8324 (Sociology)

Long Questions

10X1 = 10 Marks

1. Define Social change. Write the role of social planning in the health and rehabilitation

Short Essays: (Any – 4)

4 X 5 = 20 Marks

2. Population explosion
3. Social problems
4. Modern caste system in India
5. Discuss about process of socialization
6. Role of medical social worker

Short Answers (Any – 5)

5 X 2 = 10 Marks

7. Culture
8. Religion
9. Social system
10. Beggary
10. Direct social control and indirect social control
- 11 Juvenile delinquency

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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 passive movements. Classify it and write down the principles, uses, indications and contraindications for giving passive movements.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Write a note on active exercise.
3. Define resisted exercise. Explain any two regimens.
4. Write a short note on relaxation.
5. Add a note on types of suspension therapy and mention benefits of suspension therapy.
6. Define PNF. Add note on mobility techniques of facilitation.
7. Write a note on principles, aims, indications and limitations of Manual muscle testing.
8. Explain anthropometric measurement for muscles girth.
9. Short note on true, apparent and segmental Limb length measurement.
10. Define MMT, add a note on principles of MMT.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Goals of PNF.
12. Relaxation method.
13. Difference between open and closed chain exercises.
14. Oxford grading for manual muscle testing.
15. Vertical suspension therapy.
16. Types of muscle contraction.
17. Define ten repetitive maximum.
18. Brief resisted isometric exercise.
19. Uses, indications and contraindication of resisted exercise
20. De' lormes regimen.
21. PNF diagonal pattern for upper limb