

**SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)**

Bachelor of Physiotherapy (BPT)

Second Year Semester – IV, March-2021 Examination.

Time: 3 Hrs

Max Marks: 100 Marks

ELECTROTHERAPY

Q.P Code: B4090

Your answer should be specific to the question asked.

Draw neat labeled diagrams wherever necessary

LONG ESSAY(Answer any Two)

2 X 10 = 20 Marks

1. Define LASER. Describe the therapeutic and physiological effects of LASER. List the indications and contraindications of LASER.
2. Classify types of UVR. Explain the methods of test dose and calculation of dosage. Add a note on its therapeutic effects.
3. Write in detail the production of Ultrasound with its indications and contraindications.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Explain the different theories of pain.
5. Explain the physiological changes occurring in a nerve during electrical stimulation.
6. List the difference between low and high frequency currents.
7. Explain the various method of application of SWD.
8. Explain the procedure of Iontophoresis in the treatment of cryotherapy.
9. Define TENS and explain conventional TENS.
10. Explain therapeutic and physiological effects of Galvanic currents.
11. List the therapeutic and physiological effects of MWD.
12. Explain the therapeutic effects of whirl pool bath.
13. Explain the different method of application of hydro collator pads.
14. Explain the difference between luminous and non-luminous generators.
15. Explain difference between Rebox and Russian currents.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. Define Pascal Law.
17. Write a note on faradism under pressure.
18. Write a note on Seddon's classification.
19. Draw the motor points of radial nerve injury.
20. List the uses of fluid therapy.
21. Write a note on sinusoidal currents.
22. Define latent heat of fusion.
23. What is Chronaxie and Rheobase.
24. List the different types of electric shock.
25. List the indications of faradic currents.
26. List the therapeutic effects of ultrasound.
27. What are macro and micro currents.



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Time: 2 Hrs

Max Marks: 40 Marks

Pharmacology

Q.P Code: B4100

Your answer should be specific to the question asked.

Draw neat labeled diagrams wherever necessary

Long essay

1 × 10 = 10 Marks

1. a. Classify anticholinergics. (4)
b. Explain the uses and adverse effects of atropine. (3+3)

Short essay (Answer any **three**)

3 × 5 = 15 Marks

2. Explain the mechanism of action uses and adverse effects of nifedipine. (1+2+2)
3. Explain the mechanism of action, uses and adverse effects of amitriptyline. (2+2+1)
4. Explain the mechanism of action, uses and adverse effects of methotrexate. (1+2+2)
5. Explain the mechanism of action, uses and adverse effects of aspirin. (1+2+2)

Short answers (Answer any **five**)

5 × 3 =15 Marks

6. Explain the mechanism of action and **two** uses of succinylcholine.
7. Explain the mechanism of action and one use of insulin.
8. Mention **three** drugs of different categories used in treatment of bronchial asthma.
9. Mention **three** drugs used in treatment of parkinsonism.
10. Mention **three** advantages of sublingual route of drug administration.
11. Mention **three** drugs to be avoided in geriatric patients and justify.

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Time: 2.30 Hrs

Max Marks: 80 Marks

General Medicine & Cardio-respiratory Conditions

Q.P Code: B4110

Your answer should be specific to the question asked.

Draw neat labeled diagrams wherever necessary

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Define bronchial Asthma. Explain the clinical features, complications and management.
2. Explain in detail about causes, Pathology, clinical features and management of Hepatitis B.
3. Define Rheumatic fever and explain the clinical feature, clinical features and management of Rheumatic fever.

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

4. Discuss the clinical features and complications of diabetes mellitus.
5. Discuss the clinical features and management of snake bite.
6. Discuss the causes and management of psoriasis.
7. Discuss the causes, clinical features and management of goiter.
8. Discuss the clinical features and management of myocarditis.
9. Write a short essay on Raynauds disease.
10. Discuss the causes and management of acute cholecystitis.
11. Discuss the clinical features and management of respiratory failure.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

12. List the causes of pleural effusion.
13. Write a note on Wilsons disease.
14. List the different types of pneumothorax.
15. List the types of gall stones.
16. List the causes of kwashiorkor.
17. List the causes of chronic obstructive pulmonary disease.
18. List the complications of blood transfusion.
19. List the clinical features of pneumonia.
20. Write a note on BCG vaccine.
21. Write a note on Pulmonary function test.
22. List the complications of leprosy.
23. List the management of Pulmonary TB.



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Time: 2.30 Hrs.

Max Marks: 80 Marks

General Surgery & Cardio Thoracic Conditions

Q.P Code: B4120

Your answer should be specific to the question asked.

Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define and classify gangrene. discuss about the clinical features and management of wet gangrene of foot.
2. What are different types of Amputation – describe the complications & management of below knee amputation.
3. What is modified Radical mastectomy –discuss its complications & management.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Difference between hypertrophic scar and keloid.
5. Define hyperkalemia and its management.
6. Surgeries for inguinal hernia.
7. Buerger's disease.
8. Pneumothorax and its surgical management.
9. Deep venous thrombosis.
10. Types of skin grafting.
11. Write a note on Hemothorax.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. Biopsy – types.
13. What is esophageal disruption?
14. Cardiac tumors.
15. Kidney transplant indications.
16. Colostomy- complication.
17. Pulmonary Embolism.
18. Lung abscess.
19. Factors affecting bleeding during surgery.
20. Define Bronchiectasis.
21. What is medical and surgical management of lower motor neuron type of facial palsy?
22. What is atherosclerosis.
23. Write a note on abdominal incisions.

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