

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

Bachelor of Physiotherapy (BPT)

Second Year Semester – IV March 2022 Examination.

Time: 3 Hrs

Max Marks: 100 Marks

ELECTRO THERAPY

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. Explain the indications, contraindications and method of application of faradic foot bath.
2. How pain is modulated by TENS
3. List the types of LASER. Explain the therapeutic uses of LASER.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Describe the steps of action potential production with suitable graph
5. List the indications and method of application of IFT.
6. Describe indications and precautions for SWD.
7. List the ions used in iontophoresis and its uses,
8. Explain contrast bath and its therapeutic effects
9. List the types of electrodes and choice of selection of electrodes.
10. Explain HVPGS and its therapeutic effects
11. Explain various method of application of cryotherapy
12. List the indications and therapeutic effects of IRR
13. Explain the method of application and indications of faradism under pressure
14. Explain the purpose and use of SD Curve
15. Explain the physiological effects of moist heat

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. What is the principle of pain gate theory
17. List the conditions indicated for ultrasound therapy.
18. Write a short note on inverse square law
19. Write a note on sinusoidal currents
20. Define static and dynamic interference
21. Define resting membrane potential
22. Define cathodal and anodal galvanism
23. Explain beat frequency
24. Draw motor points of Axillary nerve
25. What are macro and micro currents
26. List the indications of wax therapy
27. Write a note on burst TENS

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Second Year Semester – IV March 2022 Examination

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 X 10 = 10 Marks

1. a. Classify skeletal muscle relaxants (4)
- b. Explain the mechanism of action, uses and adverse effects of pancuronium (2+2+2)

SHORT ESSAY (Answer any Three)

3X 5 = 15 Marks

2. Explain the mechanism of action, uses and adverse effects of propranolol (1+2+2)
3. Explain the mechanism of action, uses and adverse effects of nitroglycerine (1+2+2)
4. Mention **five** drugs of different categories used in treatment of systemic lupus erythematosus and write their mechanism of action (2.5+2.5)
5. Mention **five** routes of drug administration with examples for each route (5)

SHORT ANSWERS (Answer any five)

5 X 3 = 15 Marks

6. Mention **three** drugs used in rheumatoid arthritis
7. Mention **two** insulin preparations and write **two** uses
8. Mention **three** drugs used in treatment of idiopathic inflammatory myopathies
9. Mention **two** uses and **one** adverse effect of warfarin
10. Mention **three** drugs used by inhalational route in treatment of bronchial asthma
11. Mention **three** pharmacodynamic changes occurring in elderly population

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Second Year Semester – IV March 2022 Examination

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 Raynaud's 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 Wilson's 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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Second Year Semester – IV March 2022 Examination

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. Discuss the indication, incision and complication of Pneumonectomy
2. Discuss the causes, clinical features and management of Tuberculosis
3. Discuss the classification, clinical features and management of Congenital Heart Diseases

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the causes and management of Bronchiectasis.
5. Explain the complications and indications of Appendicectomy
6. Explain the clinical features and management of Raynaud's Disease
7. Explain the indication and complications of Thoracotomy
8. Explain the causes and management of DVT.
9. Explain the classification and complications of Burns.
10. Explain the factors affecting wound healing
11. Explain in detail Cardiac Tamponade

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. What is Patent Ductus
13. List chest wall deformities
14. List the factors affecting bleeding during surgery
15. List the types and uses of Endoscopy
16. Write a note on Pleurodesis
17. Write a note on Aneurysm
18. List the common ear problems
19. List the muscles cut during lung surgeries
20. Write a note on Mastectomy
21. What is Otosclerosis
22. List complications of kidney transplant
23. List the cardiac tumors

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