

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

**Bachelor of Physiotherapy (CBCS), Second Year Semester – IV
February – 2020 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. Describe the indication, contraindication, physiological effects and therapeutic uses of pulsed currents
2. Describe the types, therapeutic effects, advantages and disadvantages of Ultra violet radiation
3. Explain the pain pathway and discuss the theories of pain

Short Essay (Answer any Ten)

10 X 5 = 50 Marks

4. Explain the technique of electrical stimulation used for denervated muscles
5. Describe the indications and advantages of Iontophoresis
6. Describe the Indications and technique of application of faradic foot bath
7. Describe the calculation of test dose in ultraviolet radiation
8. Describe the therapeutic effects of diadynamic currents
9. Describe nerve muscle physiology with help of a diagram
10. Describe the two types of IRR generators
11. Describe the properties of LASER
12. Describe the method of application of SWD
13. Describe SD curve with chronaxie and rheobase
14. Explain the method of application of hydro collator packs
15. Describe indications and therapeutic effects of TENS

Short Answer (Answer any Ten)

10 X 3 = 30 Marks

16. Write a note on accommodation of the nerve
17. Define static and dynamic interference
18. Define cathodal and anodal galvanism
19. Define macro and micro currents
20. List five therapeutic effects of whirl pool bath
21. List the drug used in iontophoresis
22. Write a note on sinusoidal currents
23. List the basic types of currents
24. Mention any four absolute contraindications for Cryotherapy
25. Write a note on Erb's paralysis
26. Write a note on HVPGS
27. Write a note on FG test

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Bachelor of Physiotherapy
Second Year Semester – IV, February – 2020 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 $1 \times 10 = 10$ Marks

1. a. Classify adrenergic receptor antagonists (4)
- b. Explain the uses and contraindications to propranolol (3+3)

Short essay (Answer any three) $3 \times 5 = 15$ Marks

2. Explain the mechanism of action, uses and adverse effects of diazepam (1+2+2)
3. Explain the mechanism of action, uses and adverse effects of losartan (2+2+1)
4. Explain the mechanism of action, uses and adverse effects of pancuronium (2+2+1)
5. Explain the mechanism of action uses and adverse effects of warfarin (1+2+2)

Short answers (Answer any five) $5 \times 3 = 15$ Marks

6. Explain the mechanism of action and **two** uses of aspirin
7. Mention **two** uses and **one** adverse effect of metformin
8. Mention **three** beta -2 receptor agonists used in treatment of bronchial asthma
9. Mention **three** uses of methotrexate
10. Mention **three** advantages of oral route of drug administration
11. Mention **three** drugs to be avoided in geriatric patients and justify

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Bachelor of Physiotherapy

Second Year Semester – IV, February-2020 Examination.

Time: 2.30 Hrs

Max Marks: 80 Marks

GENERAL MEDICINE

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. Discuss the clinical features, causes and management of leprosy.
2. Explain the clinical features, causes, complication and management of COPD.
3. Explain the classification of congenital heart diseases and discuss in detail the tetralogy of fallot.

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

4. Discuss the clinical features and management of Cushing syndrome.
5. Discuss the clinical features and causes of arteriosclerosis.
6. Discuss the causes and management of viral hepatitis.
7. Discuss the clinical features and management of leprosy.
8. Discuss the clinical features and management of endocarditis.
9. Define and classify the types of anemia.
10. List the difference between blue boater and pink puffer.
11. Discuss the clinical features and management of interstitial lung diseases.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

12. Write a note on marasmus.
13. List the causes of dyspnea.
14. List the causes of GI bleeding.
15. List the complications of low birth weight infants.
16. Write note on dementia.
17. What is MMR vaccine.
18. Write a note on ABG analysis.
19. List the causes of haemothorax.
20. List the causes and clinical features of psychiatric disorders.
21. Write a note on Beri Beri disease.
22. List the causes of malabsorption syndrome.
23. List the complications of general anesthesia.

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Bachelor of Physiotherapy (BPT)
Second Year Semester – IV, February – 2020 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. Describe the etiology, clinical features, cause, risk factors and management of coronary artery diseases.
2. What are the different types of Skin grafting? Describe the indications, contra-indications, advantages and complications of split skin grafting.
3. Describe definition, etiology, clinical features, complications and management of varicose veins.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Classify burns and explain the management of thermal burns
5. Explain the phases and factors affecting wound healing
6. Explain the explain the indications, incisions and complications of ileostomy
7. Write a short note on Buerger's disease
8. Explain the clinical features and management of spontaneous pneumothorax
9. Explain the indications, physiological changes and complications of mastectomy
10. Definition thoracotomy and list the types of Incisions with emphasis to the site of incision and muscles cut.
11. List the difference between hypertrophic scar and keloid

SHORT ANSWERS (Answer Any Ten)

10 x 3 = 30 Marks

12. What are different suture materials
13. What is Cardiac tamponade?
14. List the different type of incisions on abdomen?
15. What is Pleurodesis
16. List the types of colostomy
17. List the type of embolism
18. List the indications of Bronchoscopy
19. List the factors affecting bleeding during surgery
20. What is thrombophlebitis
21. List the types of cardiac tumors
22. List the complications of blood transfusion
23. List the complications of total thyroidectomy

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