

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

**Bachelor of Physiotherapy, Second Year Semester-IV,
January-2019 Examination.**

TIME -2 HRS

MAX MARKS:40

PHARMACOLOGY

Q.P Code: PT109

*Your answers should be specific to questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY

1 × 10 = 10 Marks

1. a. Classify Non steroidal anti-inflammatory drugs (NSAIDs). (4)
b. Explain the mechanism of action, uses and adverse effects of diclofenac. (2+2+2)

SHORT ESSAY (Answer any **three**)

3 × 5 = 15 Marks

2. Explain the mechanism of action uses and adverse effects of neostigmine. (1+2+2)
3. Explain the mechanism of action, uses and adverse effects of propranolol. (1+2+2)
4. Mention five drugs of different categories used in treatment of peripheral vascular disorder and write their mechanism of action.
5. Mention five drugs of different categories used in treatment of spasticity and write their mechanism of action.

SHORT ANSWERS (Answer any **five**)

5 × 3 =15 Marks

6. Mention **three** drugs used in treatment of neuropathic pain.
7. Mention **three** drugs from different categories used in treatment of diabetes mellitus.
8. Mention **three** routes of drug excretion with one example.
9. Mention **two** antiplatelet drugs and write **two** uses.
10. Mention **three** drugs from different categories used in treatment of cough.
11. Mention **three** drugs to be avoided in elderly patient.

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**Bachelor of Physiotherapy, Second Year Semester-IV,
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TIME - 3 HRS

MAX MARKS:100

ELECTRO THERAPY

Q.P Code: PT110

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY(Answer any Two)

2 X 10 = 20 Marks

1. Define faradic currents. Explain the indications, contraindication, physiological and therapeutic effects of faradic currents.
2. Define LASER. Describe the production of LASER. List the indications and contraindications of LASER.
3. Write in detail the production of Ultrasound with its indications and contraindications.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Describe the physiological and therapeutic effects of IFT.
5. List the indications and contraindications of contrast bath.
6. List the difference between low and medium frequency currents.
7. Explain the method of application of SWD.
8. Explain the therapeutic and physiological effects of cryotherapy.
9. Explain the pain gate theory with suitable diagram.
10. Explain the thermal and non-thermal effects of ultrasound.
11. Explain various method of application of wax therapy.
12. Explain anodal and cathodal galvanism.
13. Explain the physiological and therapeutic uses of Russian currents.
14. Explain the indications and therapeutic effects of TENS.
15. List the types of UVR and therapeutic effects of UVR.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. Write a note on F-G Test.
17. Define Cosine law.
18. Write a note on sinusoidal currents.
19. Define latent heat of fusion.
20. What is Chronaxie and Rheobase.
21. What is piezo electric effects.
22. Write a note on HVPGS.
23. Draw motor points of median nerve.
24. List indication of galvanic currents.
25. Write a note on beat frequency.
26. What is Rebox currents.
27. Define duty cycle.

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**Bachelor of Physiotherapy, Second Year Semester-IV,
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TIME – 2.30 HRS

MAX MARKS:80

General Medicine and Cardio Respiratory Conditions

Q.P Code: PT111

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY(Answer any Two)

2 X 10 = 20 Marks

1. Define anemia, discuss the etiology, clinical features, complications and management of iron deficiency anemia.
2. Discuss the etiology, clinical features and management of bronchiectasis.
3. Define diabetes mellitus, discuss the classification and clinical features and management of diabetes mellitus.

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

4. Discuss the causes and complications of obesity.
5. Discuss the etiology and clinical features of lobar pneumonia.
6. Discuss the clinical features and management of peptic ulcer.
7. Discuss the clinical features and management of OP poisoning.
8. Discuss the causes and management of deep vein thrombosis.
9. Define cyanosis and list types and causes of cyanosis.
10. Discuss the etiology and management of hepatitis B.
11. Discuss the clinical manifestations and management of kwashiorkor.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

12. List the sexually transmitted diseases.
13. Write a note on Mantoux test.
14. List the congenital heart diseases.
15. List the medical management for bronchial asthma.
16. List the Jones criteria for rheumatic fever.
17. List the causes of acute pancreatitis.
18. List the types and causes of pleural effusion.
19. List the types of gall stone.
20. List the types respiratory failure.
21. Mention the TNM stages of cancer.
22. Write a note on cardiac tamponade.
23. List the causes of hemophilia.

**Bachelor of Physiotherapy, Second Year Semester-IV,
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TIME – 2.30 HRS

MAX MARKS: 80

General Surgery and Cardio Thoracic Conditions

Q.P Code: PT112

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define and classify burns. Describe the management of 30% thermal Burns
2. Describe etiology, pathogenesis and surgical management of varicose veins?
3. Explain the general postoperative complications and the management.

SHORT ESSAYS (Answer any Eight)

6 x 5 = 30 Marks

4. Note on Acid-Base disturbances?
5. Write a note on surgical site infections and its management
6. What are the complications of thoracic surgeries?
7. Raynaud's phenomenon
8. Pneumothorax and its management
9. Treatment modalities for carcinoma Breast
10. Write a note on Valvular heart disease?
11. Write a note on Bronchogenic carcinoma.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. What are different suture materials
13. Difference between hypertrophic scar and keloids
14. List the types of skin flap
15. Enumerate chest wall deformities?
16. Name different type of incisions on thorax?
17. Types of skin graft
18. Ileostomy- types
19. What are the types of pleural effusion
20. Define Bronchiectasis
21. Factors affecting bleeding during surgery
22. What are the Lesions of the Mediastinum?
23. What are cardiac tumors?