

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

**(A DEEMED TO BE UNIVERSITY)**

**Bachelor of Physiotherapy (BPT)**

**Second Year Semester- IV, June/July – 2018 Examination**

**Time: 2.00 Hrs.**

**[Max. Marks: 40]**

**PAPER-I**

**PHARMACOLOGY**

**Q.P Code: BPT-109**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**1X 10 = 10 Marks**

1. List the various routes of drug administration. Explain the advantages and disadvantages of oral route of drug administration.

**SHORT ESSAY (Answer any Three)**

**3 X 5 = 15 Marks**

2. Classify insulin preparations. Mention two uses and two adverse effects of insulin preparation.
3. Explain the mechanism of action, uses and adverse effects of Enalapril.
4. Explain the mechanism of action, uses and adverse effects of levodopa.
5. Explain the mechanism of action, uses and adverse effects of Diclofenac sodium.

**SHORT ANSWER (Answer any Five)**

**5 X 3 =15 Marks**

6. List three drugs used in Neuropathic pain.
7. List three drugs used in Cerebral ischemia.
8. List three drugs used in treatment of spasticity.
9. Mention three drugs used in treatment of systemic lupus erythematoras.
10. List three centrally acting analgesics.
11. Mention three drugs used in management of postural hypotension.

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**Bachelor of Physiotherapy (BPT)**  
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Time: 2.30 Hrs.

[Max. Marks: 80]

**PAPER-III**  
**General Medicine and Cardio-Respiratory Conditions**  
**Q.P Code: BPT-111**

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

**LONG ESSAY (Answer any Two)**

**2 X 10 = 20 Marks**

1. Describe in detail causes, types, clinical features and management of viral hepatitis.
2. Describe the causes, clinical features, investigations and management of chronic obstructive lung disease.
3. Clinical features, diagnosis and management of Rheumatic fever.

**SHORT ESSAY (Answer any Six)**

**6X 5 = 30 Marks**

4. Define hypertension. Note on classification and causes of hypertension.
5. Gastroenteritis – causes and management.
6. Wilson's disease.
7. Megaloblastic anaemia.
8. Treatment of Pulmonary Tuberculosis.
9. Viral myocarditis.
10. Schizophrenia.
11. Psoriasis.

**SHORT ANSWER (Answer any Ten)**

**10 X 3 = 30 Marks**

12. Six drugs used to treat diabetes mellitus.
13. Clinical features of VSD.
14. Clinical features of Asthma.
15. Six anti-hypertensive drugs.
16. Clinical features of infective endocarditis.
17. Complications of Diabetes Mellitus.
18. Cyanosis-types and causes.
19. Vitamin – D deficiency.
20. Six opportunistic infections in AIDS.
21. Marasmus.
22. Three causes of acute GI bleeding.
23. Thread mill test.

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[Max. Marks: 80]

**PAPER-IV**  
**General Surgery & Cardio Thoracic Surgeries**

**Q.P Code: BPT-112**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY (Answer any Two)**

**2 X 10 = 20 Marks**

1. Define varicose veins, mention etiology, clinical features, management of uncomplicated varicose veins.
2. Mention factors affecting wound healing. Describe phases of wound healing.
3. Mention indications, types of incisions, complications of thoracotomy.

**SHORT ESSAY (Answer any Six)**

**6X 5 = 30 Marks**

4. Clinical features and management of haemothorax.
5. Complications of blood transfusion.
6. Management of post-operative respiratory complications.
7. Classification of burns. Management of burns.
8. Indications of cardiac transplant and its complications.
9. List acyanotic congenital heart diseases. Clinical features and management of ventral septal defect.
10. Etiology, clinical features, prevention of deep vein thrombosis.
11. Causative organism, route of transmission, clinical features and outline treatment of pulmonary tuberculosis.

**SHORT ANSWER (Answer any Ten)**

**10 X 3 = 30 Marks**

12. List complications of open heart bypass surgery.
13. Split skin grafting.
14. Treatment for keloid.
15. Indications for upper GI endoscopy.
16. Clinical signs and management of hypokalemia.
17. Clinical features and management of pyogenic abscess over right thigh.
18. Intercostal drainage-tube care.
19. Management of otitis media.
20. Risk factors for carcinoma breast.
21. Colostomy care.
22. Bell's palsy.
23. Indications for regional anesthesia.

**Bachelor of Physiotherapy (BPT)**  
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Time: 3.00 Hrs.

[Max. Marks: 100]

**PAPER-II**  
**ELECTROTHERAPY**  
**Q.P Code: BPT-110**

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

**LONG ESSAY (Answer any Two)**

**2 X 10 = 20 Marks**

1. Define IFT. Explain the principle and production of IFT. Describe the physiological and therapeutic effects of IFT.
2. Describe the different methods used in the application of UVR. Write a note on the indications and uses of UVR.
3. Write in detail the production of Ultrasound with its indications and contraindications.

**SHORT ESSAY (Answer any Ten)**

**10X 5 = 50 Marks**

4. Explain Pain Gate control theory.
5. Define SWD. Mention its wavelength and frequency.
6. Describe the production and parameters of pulsed electromagnetic current.
7. Define UVR. Enlist the types of UVR.
8. Write a note on the methods of application of moist heat. Mention the therapeutic uses.
9. Define Faradic current. Mention the technique of application for individual and group stimulation.
10. Define TENS. Write a brief note on acute TENS.
11. Define LASER. Mention the different types of LASER.
12. Classify currents and list the different types of low frequency currents.
13. List the differences between High and medium frequency currents.
14. Enumerate the indications and uses of Ultrasound.
15. Explain the cross-fire technique.

**SHORT ANSWER (Answer any Ten)**

**10 X 3 = 30 Marks**

16. Define Cosine Law.
17. Define motor unit.
18. What is PUVA?
19. Define Burst TENS.
20. What is Chronaxie and Rheobase?
21. What is Erb's paralysis.
22. Define huffs.
23. Mention the uses of SWD.
24. What is cryotherapy?
25. What are macro and micro currents.
26. Define Beat Frequency.
27. Write a note on faradic foot bath.

**Bachelor of Physiotherapy (BPT)**  
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[Max. Marks: 50]

**First, AID, BLS and CPR**

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

**LONG ESSAY (Answer any One)**

**1 X 10 = 10 Marks**

1. Write indications of CPR and write a note on in hospital and out of hospital chains of survival.
2. A 40 year old man met with RTA on NH4 is lying in the middle of road, profusely bleeding in the right leg.
  - a) Define first Aid.
  - b) Discuss the Version steps of First Aid in the management of the patient in the above scenario.

**SHORT ESSAY (Answer any Five)**

**5X 5 = 25 Marks**

3. Explain the management of electrocuted patient in physiotherapy department.
4. Measures to be taken for brain protection following return of spontaneous circulation (Rose) after cardiac arrest.
5. Global principles of first aid.
6. Discuss the log roll maneuver in the transfer of spine injury patient.
7. Defibrillation.
8. Biomedical waste and its related color codes.
9. Sterilization and disinfection.

**SHORT ANSWER (Answer any Five)**

**5 X 3 = 15 Marks**

10. Mention the three instrument used in first aid management.
11. Mention the steps of first aid in poisoning.
12. Hand hygiene.
13. Rescue breathing.
14. Blood spill management.
15. Mention three causes of respiratory failure.

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