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

Bachelor of Physiotherapy (BPT)

Second Year Semester - IV, September 2021 Examination.

Time: 3 Hrs

Max Marks: 100 Marks

ELECTROTHERAPY O.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 uses of IFT. Explain the method of application of IFT.
- 2. Define pain. Explain the pain gate theory.
- List the indications of ultrasound therapy. What are the various methods of application of therapeutic ultrasound.

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 method of iontophoresis
- 6. Describe the Indications and method of application of whirl pool bath
- 7. Describe the indication and method of application of faradic foot bath
- 8. Describe the therapeutic effects of diadynamic currents
- 9. Describe the indications and physiological effects of UVR
- 10. Describe the method of application of SWD
- 11. Describe the indication and therapeutic effects of Fluidotherapy
- 12. List the indications of cryotherapy and its method of application.
- 13. Describe SD curve.
- 14. Explain the indication and method of application of application of contrast bath
- 15. Describe the uses and precautions of wax therapy

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

- 16. Write a note on accommodation of the nerve
- 17. List the ways to prevent shock
- 18. List the local and general contraindications of stimulators
- 19. List the types of properties of LASER
- 20. List five therapeutic effects of cyclotherm
- 21. List the drug used in iontophoresis
- 22. What is coupling media in ultrasound
- 23. Write a note on theraktin tunnels
- 24. List the indications of UVR
- 25. List the motor points of facial nerve with labeled diagram
- 26. Write a note on HVPGS
- 27. Write a note on Rebox currents

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Bachelor of Physiotherapy (BPT)

Second Year Semester - IV, September 2021 Examination.

Time: 2 Hrs

Max Marks: 40 Marks

Pharmacology O.P Code: B4100

Your answer should be specific to the question asked. Draw neat labeled diagrams wherever necessary

LONG ESSAY

 $1 \times 10 = 10 \text{ Marks}$

- 1. a. List the routes of drug administration (4)
 - b. Mention the advantages and disadvantages of oral route of drug administration (3+3)

SHORT ESSAY (Answer any Three)

3X 5 = 15 Marks

- Mention alpha receptor blockers and list three uses (2+3)
- 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 paracetamol (1+2+2)
- Mention five drugs from different categories used in treatment of diabetes mellitus and explain their mechanism of action (2.5+2.5)

SHORT ANSWERS (Answer any five)

5 X 3 = 15 Marks

- 6. Mention three centrally acting skeletal muscle relaxants
- 7. Explain reason for combining carbidopa with levodopa
- 8. Mention mechanism of action and two uses of imipramine
- Mention three drugs used in treatment of systemic lupus erythematosus
- 10. Mention three disease modifying anti rheumatoid drugs (DMARDs)
- 11. Explain mechanism of action and write two uses of diazepam

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Bachelor of Physiotherapy (BPT)

Second Year Semester - IV, September 2021 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

- Define hypertension. Discuss the classification, clinical features, complications and management of hypertension
- Enumerate the organism causing pneumonia. Discuss the clinical features, management and complications of bacterial pneumonia
- 3. Discuss the etiology, clinical features and management of lung abscess

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

- 4. Discuss the clinical features and management of bronchiectasis
- 5. Discuss the mode of transmission and management of HIV
- 6. Write a short note on pulmonary function test
- 7. Discuss the different types of protein energy malnutrition
- 8. Discuss the clinical features and management of GI bleed
- 9. Discuss the clinical features and management of anemia
- 10. Discuss the signs and symptoms and management of emphysema
- 11. Write a short note on hypothyroidism

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

- 12. List the causes of pedal edema
- 13. Write a note on tetralogy of Fallot
- 14. List the causes for sepsis
- 15. List the clinical feature and causes of dengue fever
- 16. Mention the adverse effects of alcohol consumption
- 17. List the causes of hemoptysis
- 18. List the complications of blood transfusion
- 19. List the causes of epigastric pain
- 20. Write a note on Wilson's disease
- 21. Classify psychiatric disorders
- 22. Write a note on psoriasis
- 23. List the causes of obstructive lung diseases

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Bachelor of Physiotherapy (BPT)

Second Year Semester - IV, September 2021 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)

 $2 \times 10 = 20 \text{ Marks}$

- Classify chest wall disorders. Write a note about clinical features, investigations and treatment of pectusexcavatum?
- Mention type of Burns, classification, management and complications of thermal burns?
- Discuss the physiology of wound healing. Discuss the clinical features and management of keloid.

SHORT ESSAYS (Answer any Six)

 $6 \times 5 = 30 \text{ Marks}$

- Explain the causes, clinical features and management of pulmonary tuberculosis.
- 5. List the complications of blood transfusion?
- 6. Explain the clinical features and management of lung abscess
- 7. Write a note on Raynaud's disease
- 8. Explain the types, clinical features and management of Pneumothorax.
- Explain the clinical features, complications and management of Deep venous thrombosis.
- 10. Explain the indication and complications of Cholecystectomy
- 11. Explain the management of facial nerve palsy

SHORT ANSWERS (Answer any Ten)

 $10 \times 3 = 30 \text{ Marks}$

- 12. List the different types of Biopsy
- 13. List the lesions of the mediastinum?
- 14. List the TNM staging of cancer
- 15. List the types and uses of skin flaps
- 16. Write a note on cardiac tamponade
- 17. Write a note on otitis media
- 18. What is Broncho pleural fistula
- 19. Mention few Post-operative Complications after major surgery
- 20. List the uses of upper GI Endoscopy?
- 21. Role of physiotherapy post mastectomy?
- 22. Define and classify shock
- 23. List the types of Surgical Nutrition

