

P P SAVANI UNIVERSITY

Fourth Semester of B. P.T. Examination

January 2020

SPPT2081 Electrotherapy-II

05.02.2020, Wednesday.

Time: 09:00 a.m. To 12:00 p.m.

Maximum Marks: 70

Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

SECTION - I

- Q -1 Essay Question(Any One) [10]
- (i) Write about SWD, Method of application its dosage parameters & Dangers.
- (ii) Explain IRR and Physiological & Therapeutic effects of IRR along with its Contraindication.
- Q - 2 Short Note(Any Two) [10]
- (i) Electromagnetic Spectrum.
- (ii) Brief explain Whirl Pool Bath and Hubbard tank along with Indications & Contraindications.
- (iii) Methods of application of Cryotherapy.
- Q - 3 Very Short Notes(Any Five) [15]
- (i) Contraindications of SWD
- (ii) Uses of PEME
- (iii) Explain Microwave Diathermy, Wave length of its.
- (iv) Duration & frequency of Treatment for IRR
- (v) Types of UVR
- (vi) Therapeutic effects of COLD
- (vii) Hydrotherapy: Indications & Therapeutic use.

SECTION - II

- Q -1 Essay Question(Any One) [10]
- (i) Expand term LASER, Classification of LASER, Physiological & Therapeutic effects of LASER.
- (ii) Explain Principles of Ultrasound, Thermal effects, Non- thermal effects along with Application of US.
- Q - 2 Short Note(Any Two) [10]
- (i) Describe various drugs used for reducing inflammation in phonophoreses and their contraindications.
- (ii) Brief explain Continuous Passive Motion, give Indications & contraindications for same.
- (iii) Physiological and Therapeutic effects of Cryotherapy
- Q - 3 Very Short Notes(Any Five) [15]
- (i) Hydro collator packs
- (ii) Methods of application for contrast bath
- (iii) Shock Wave Therapy and its applications
- (iv) Dangers of Ultrasound.
- (v) Safety precautions of LASER
- (vi) Piezo Electric effects.
- (vii) Indications of contrast bath
