

Sem 4 BL-2

P P SAVANI UNIVERSITY

Forth Semester of B.P.T. Examination

JANUARY 2022

SPPT2080 Electrotherapy-II

10.01.2022, Monday

Time: 9:30 a.m. To 12:30 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) Explain in detail about Cryotherapy- principles, Techniques and effects and uses.
 - (ii) Describe LASER therapy- its characteristics, production and indications.

- Short Note(Any Two) [10]**
- (i) Explain contrast Bath and its indications
 - (ii) PUVA treatment.
 - (iii) Duty cycle

- Q - 3 Very Short Notes(Any Five) [15]**
- (i) Methods of electrode placement in SWD.
 - (ii) Difference between Phonophoresis and Iontophoresis.
 - (iii) Therapeutic effects of ultrasound.
 - (iv) Types of UVR
 - (v) Hydrotherapy: indications and therapeutic uses
 - (vi) Duration and frequency of treatment of IRR
 - (vii) PSWD

SECTION - II

- Q - 1 Essay Question(Any One) [10]**
- (i) Write about SWD, Methods of application and its dosage parameters.
 - (ii) Explain IRR and its physiological and therapeutic effects along with its contraindications.
- Q - 2 Short Note(Any Two) [10]**
- (i) Electromagnetic spectrum.
 - (ii) Explain in brief Whirlpool bath and Hubbard tank along with indications & contraindications.
 - (iii) Indications of CPM
- Q - 3 Very Short Notes(Any Five) [15]**
- (i) Piezo electric effect.
 - (ii) Hydro collator packs.
 - (iii) Shock wave therapy and its applications
 - (iv) Methods of application of contrast bath.
 - (v) Types of UVR
 - (vi) Contraindications of SWD
 - (vii) Sweep frequency.
