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**SARDAR PATEL UNIVERSITY**

No. Of Printed Pages : 2 + 2

**III year B. Physiotherapy Examination**

**Tuesday, 07<sup>th</sup> January 2014**

**Time: 10.30 AM to 1.30 PM**

**Subject: Electrotherapy**

**Instructions**

**Total Marks: 80**

1. Read the question carefully and answer to the point
2. Draw diagram wherever necessary
3. Figure to the right indicates marks
4. Write section II and III in separate answer books.

**Section II**

**Q. 2 Explain the production of SWD. Explain the method of application for sinuses**

**(15)**

**OR**

**Q. 2 Explain the production of Ultrasound. Explain the method of application for tennis elbow(15)**

**Q. 3 Write short answers. (Answer all the questions)**

**5 x 3 (15)**

- a) Beam Non-uniformity ratio
- b) Enlist difference between SWD and MWD
- c) Helium-Neon Laser
- d) Beat Frequency
- e) Mechanical effects of US

**P.T.O.**

**Section III**

**Q. 4** What are low frequency currents. Explain about faradic currents (15)

**OR**

**Q. 4** What are UV rays. Explain the method of test dose calculation(15)

**Q. 5** Write short answers. (Answer all the questions)

**5 x 3 (15)**

- a) Lewis hunting reaction
- b) Laws governing heat
- c) Therapeutic effects of Paraffin Wax
- d) Difference moist pack and IRR
- e) Burst TENS

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