

**Second Year BPT Degree Supplementary Examinations  
September 2019**

**Electrotherapy  
(2010 Scheme)**

**Time: 3 hrs**

**Max marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x10=20)**

1. Define MWD. Explain the principles of production of MWD and explain the physiological & therapeutic effects and mention the dosage parameters of MWD
2. Define Faradic type current. Explain its physiological and therapeutic uses with indications & contra indications.

**Short notes**

**(10x5=50)**

3. Types of application of SWD
4. Cathodal galvanism
5. Theories of pain
6. Ionotophoresis
7. Resistance in series and parallel
8. IRR – types and methods of application
9. Thermal and non thermal effects of ultrasound
10. Contrast bath – method and effects
11. Fluidotherapy – therapeutic uses, indications and contraindications
12. Construction and working of transformers

**Answer briefly**

**(10x3=30)**

13. Coupling media
14. Lewis-hunting reaction
15. Hydrocollator Packs.
16. Sensitizers and filters in UVR packs
17. Commonly used ions in ionotophoresis
18. Ohms law
19. Rebox type current
20. Burns and its prevention
21. Lines of force
22. Characteristic of charged body

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