

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination – Sep 2012

Time: Three Hours

Max. Marks: 100 Marks

ELECTROTHERAPY

(RS-3 & RS-4)

Q.P. CODE: 2712

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Describe principles and production of SWD and explain the various methods of heat production. Add a note on spacing of electrodes.
2. Enumerate the types of Ultra violet radiation. Explain the method of test dose and describe calculation of the dosage.
3. Define TENS. List the various types of TENS and give the features of each type and their therapeutic uses.

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Explain types of valves used in the electrotherapy units.
5. Describe the electromagnetic spectrum and indicate the unit in which it is utilized.
6. Give the types of modified A.C currents used in physiotherapy. Describe any one in detail.
7. Write in detail about anodal galvanism.
8. List the various tests used in electro diagnosis. Describe any one in detail.
9. What is Bio feedback? Give the importance of its use in physiotherapy.
10. Explain the method of application of phonophoresis and indicate its uses.
11. Give the physiological effects of IRR.
12. Explain the production of ultra sound and give a note on dosimetry in ultrasound.
13. Describe the indications and contra indications of contrast bath usage.
14. Give the principles of Wax bath therapy.
15. Explain the type of applicators used in a MWD unit and its uses.
16. Give the benefits of cold packs usage.
17. Explain the types of electrode placement in Interferential therapy.

SHORT ANSWERS

10 x 2 = 20 Marks

18. Use of a fuse in electrotherapy unit.
19. Define condenser.
20. Give 2 uses of interrupted galvanic current.
21. Give 2 features of a faradic current.
22. What is cathodal galvanism?
23. Give 2 uses of SD curve used in electrotherapy.
24. Define Pulsed electro magnetic energy.
25. Give 2 uses of a whirlpool bath.
26. Define Ohms law.
27. Define the term nerve conduction velocity.