

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination – Aug 2013

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 production of Ultra sound and explain the various methods of application of this therapy. Add a note on coupling medium used.
2. Explain the production of Interferential currents; give the therapeutics and physiological effects of the same.
3. List the various tests used for electro diagnosis. Explain any 3 in detail.

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Explain about condensers used in electro therapy units.
5. What is shock? Give the precautions to be taken to avoid the same.
6. Give the types of modified Direct currents used in physiotherapy. Describe any one in detail.
7. Write in detail on cathodal galvanism.
8. *Write a note on Jacobsons relaxation technique.*
9. What is Iontophoresis? Give the importance of its use in physiotherapy.
10. Explain the benefits of using micro currents.
11. Give indications and contra indications of IRR.
12. Explain the physiological effects of TENS and give a note on the indications for its use.
13. Describe the indications for use of bio feedback.
14. Give the principles of production of LASER.
15. Explain the type of applicators used in a LASER unit and its uses.
16. Outline the benefits of hot pack unit.
17. Describe the types of methods used for cryotherapy.

SHORT ANSWERS

10 x 2 = 20 Marks

18. Use of a voltmeter in electrotherapy unit.
19. What are electrical burns?
20. Give 2 uses of diadynamic current.
21. Give 2 features of a sinusoidal current.
22. What is anodal galvanism?
23. Give 2 uses of MWD.
24. Define the term EMG.
25. Give 2 uses of a wax therapy.
26. Define Pain gate theory.
27. What is phonophoresis?
