

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination – September 2014

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. Write in detail about the physiological and therapeutic effects, indications and contraindications of interrupted galvanic current.
2. Define Ultra Sound therapy. Explain principles and production of ultra sound. Add a note on methods of application for the same.
3. Describe the procedure for plotting S-D curve. Explain uses of S-D curve in electro diagnosis.

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Explain principles and production of LASER.
5. Explain indications and contraindications of contrast bath
6. Uses of IFT in management of stress incontinence
7. Define acupuncture TENS. Explain its mechanism for pain modulation
8. Uses of biofeedback in physiotherapy
9. Explain pain gate control theory
10. Describe physiological and therapeutic effects of Russian currents
11. Explain thermal and non-thermal effects of ultrasound
12. Explain anodal galvanism
13. Describe physiological and therapeutic effects of cryotherapy
14. Explain production and indications of MWD
15. Explain various methods of application of wax therapy
16. Explain physiological and therapeutic effects of UVR
17. Define electric shock. Explain methods for preventing shock

SHORT ANSWERS

10 x 2 = 20 Marks

18. F-G test
19. Define motor point
20. Chronaxie
21. Define amplitude modulated frequency
22. Give two uses of EMG
23. Define duty cycle
24. Define sinusoidal current
25. What is piezo electric effects?
26. What is PUVA
27. Define saltatory conduction
