

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination – APRIL 2015

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. Define IFT. Explain principle and production of IFT. Describe physiological and therapeutic effects of interferential therapy.
2. Define LASER. Describe therapeutic and physiological effects of LASER. Add a note on indications and contraindications of LASER.
3. Classify types of UVR. Explain the methods of test dose and describe calculation of dosage. Add a note on its therapeutic effects.

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Valves and types
5. Explain physiological changes occurring in a nerve during electrical stimulation
6. Define TENS and explain conventional TENS
7. Explain various theories of pain
8. Explain physiological and therapeutic effects of faradic currents
9. Describe principles and application of ultra sound
10. Micro currents
11. Explain physiological and therapeutic effects of cryotherapy
12. Explain procedure of Iontophoresis in the treatment of hyperhidrosis
13. Write a note on physiological and therapeutic effects of IRR
14. Explain methods of application of wax therapy
15. Difference between high frequency and low frequency currents
16. Describe principle and production of MWD
17. Describe the physiological effects of sinusoidal currents

SHORT ANSWERS

10 x 2 = 20 Marks

18. Define shock
19. Define static electricity
20. Define electromagnetic induction
21. What is duty cycle?
22. What is Neuropraxia
23. Define nociception
24. Two uses of fuse
25. Define biofeedback
26. What is latent heat?
27. Define H- reflex
