

Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours

Max. Marks: 100 Marks

ELECTROTHERAPY (OS, RS & RS2)

Q.P. CODE: 2162

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 physiological effects and therapeutic uses of pulsed currents
2. Describe the types, effects, merits and demerits of Ultra violet radiation
3. Discuss the traditional methods of electrodiagnosis

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Ultrasound coupling media
5. Classification of LASER
6. Half value depth in ultrasound
7. Filters in ultra violet radiation
8. Therapeutic uses of microwave diathermy
9. Gate control theory of pain
10. Contraindications for TENS
11. Technique of electrical stimulation of denervated muscles
12. Principles and advantages of Ionotophoresis
13. Indications and technique of faradic foot bath
14. Calculation of test dose in ultraviolet radiation
15. Precautions and treatment of shock
16. Effects and uses visible lights
17. Spacing in shortwave diathermy

SHORT ANSWERS

10 x 2 = 20 Marks

18. Define EMG Biofeedback
19. Neuropraxia
20. Mention any four absolute contraindications for Cryotherapy
21. Standing waves
22. Define CP module
23. Pfluger's law
24. Define High TENS
25. Accommodation of nerve
26. Define beat frequency in interferential currents
27. What is ramping of current?