

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination – SEPT 2017

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 the physiological effects and therapeutic uses of ultra sound.
2. Write in detail the principles of production of UVR?
3. Classify TENS. Write in detail the mechanism of pain relief for various types of TENS?

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Therapeutic effects of microwave diathermy.
5. Method of application of ultrasound.
6. Indication and contraindication for shortwave diathermy.
7. Physiological and therapeutic effects of wax bath.
8. Define condenser. Explain types and uses.
9. Construction of EMG equipment.
10. Dangers and precaution for LASER.
11. Faradism under pressure.
12. Indications and contraindications of infra red radiations.
13. Electrode placement of INTERFERENTIAL THERAPY.
14. Properties of electromagnetic radiations.
15. Define burns give an account of prevention.
16. Moist heat therapy.
17. Bio-feed back.

SHORT ANSWERS

10 x 2 = 20 Marks

18. What is chronaxie?
19. Classify Laser.
20. Micro massage.
21. Types of nociceptors.
22. Define Ohm's law.
23. What is latent heat?
24. Define monochromocity.
25. What is coupling media?
26. Two indications of cryotherapy.
27. Define depolarization.
