

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T Degree Examination — APRIL-2019

Time Three Hours

Max. Marks: 100 Marks

Electrotherapy (RS-5)

Q.P. CODE: 2741

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 UVR. Explain the types of UVR generators and write its physiological and therapeutic effects.
2. Write the types of LASERS and explain the construction and working of any One type of LASER in detail.
3. Explain the principles of production of IFT. Write its physiologic& and therapeutic effects.

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Classification of LASER.
5. Define shock and explain its types,
6. Anodal galvanism
7. Write note on hydrocoillator packs.
8. Method of application of contrast both
9. Whirlpool bath
10. Physiofological and therapeutic effects of faradic currents
11. Define iontophoresis and enumerate its application.
12. Calculation of E1, E2, E3 and E4 dosages of UVR
13. Types of electrodes in electrotherapy
14. Physiological and therapeutic effects Cyclotherm
15. Define electrode tissue interface and its influence on transmission of currents.
16. Types of infrared generators
17. Define PELVIE and explain Its principles and uses.

SHORT AN

10 x 2 = 20 Marks

18. Ohm's law
19. Chronaxie and Rheobase
20. Piezoelectric effect
21. PUVA (Psoralen Ultra Violet A)
22. Tissue impedance
23. Duty cycle
24. Latent heat of fusion
25. Phonophoresis and its agents
26. FUSE
27. Name four sensitizers used in UVR