



Rajiv Gandhi University of Health Sciences, Karnataka

II Year 13.P.Tr Degree Examination - SEP-2018

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

Define TENS. List the various types of TENS and explain mechanism of action. Add a note on physiological and therapeutic effects of TENS.

2. Explain principles and production of Ultra Sound. Describe thermal and non-thermal effects. Add a note on application of Ultra Sound,
3. Define LASER. Explain principle and production of LASER. Add a note on properties of LASER,

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Explain the role of FIVPGS in wound management
5. Explain methods of application of cryotherapy
6. Explain physiology of nerve impulse propagation.
7. Micro currents
8. Anodal galvanism
9. Describe the methods of application of wax therapy
10. Discuss various theories of pain
11. Explain therapeutic effects and indications of UVR
12. Explain the proforma for stimulating flexor compartment of forearm
13. Describe the physiological effects of sinusoidal currents
14. Explain the therapeutic effects of faradic currents
15. Describe principle of production of IRR
16. Explain procedure for plotting S-D curve
17. Write a note on pulsed electromagnetic energy (PEME). **SHORT ANSWERS**
18. Define ohms law
19. Ii-reflex
20. What is duty cycle?
21. What is fluidotherapy?
22. Define nociception
23. Rheobase and chronaxie
24. Define motor unit
25. What is magnetron?
26. Define phonophoresis
27. What is amplitude modulated frequency?

x 2 = 20 Marks