

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination - SEP 2016

Time: Three Hours

Max. Marks: 100 Marks

ELECTROTHERAPY (R5-3 & 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 pain. Explain the modulation of pain through pain gate control theory. Add a note on modulation of pain by TENS.
2. Define Ultra Sound. Explain the principle and production of Ultra Sound.
3. Write in detail about the physiological effects, indications and contraindications for interrupted direct current.

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Explain indications and contraindications of MWD
5. Give the technique of Iontophoresis for hyperhidrosis of hand
6. Explain the procedure for training intrinsic foot muscles with faradic foot bath
7. Describe the instrumentation for neuromuscular electrical stimulation.
8. Explain production of SWD
9. Explain indications and contraindications of contrast bath.
10. Define biofeedback. Explain the uses of biofeedback in physiotherapy.
11. Define IFT. Explain uses of IFT in management of stress incontinence.
12. Describe construction and types of transformer
13. Physiological and therapeutic effects of paraffin wax therapy
14. Explain propagation of nerve impulses during electrical stimulation
15. Explain physiological effects of diadynamic currents
16. Explain Indications and contraindications of cryotherapy
17. Write a note on microcurrents.

SHORT ANSWERS

10 x 2 = 20 Marks

18. Define F-wave
19. Uses of fuse
20. Define burst TENS
21. What is PUVA?
22. Classify pain fibers
23. Mention the properties of LASER
24. What is near and far field?
25. What are cross fire techniques?
26. Define sinusoidal currents
27. Define electromagnetic spectrum