

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T Degree Examination - OCT-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 pain. Explain the modulation of pain through pain gate control theory. Add a note on modulation of pain by IFT.
2. Define Ultra Sound. Explain the production and its thermal effects in detail.
3. Define Faradic current. Write in detail about the Physiological and Therapeutic effects of faradic current.

### **SHORT ESSAYS (Answer any Twelve)**

**12 x 5 = 60 Marks**

4. Explain indications and contraindications of SWD.
5. Define Burns its prevention and management.
6. Explain the procedure for training intrinsic foot muscles with faradic foot bath.
7. Anodal Galvanism
8. Explain production of UVR.
9. Explain indications and contraindications of IDC.
10. Whirlpool bath
11. Moist heat therapy
12. Define Ionization its principles and techniques of Ionization:
13. HVPGS and its Parameters
14. Explain Neuromuscular junction in detail.
15. Explain physiological effects of Sinusoidal currents.
16. Explain Physiological effects of cryotherapy.
17. Write a note on Transformers.

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

18. Testing of SWD apparatus
19. Uses of PEME
20. Define Latent heat.
21. What is PUVA?
22. Classify pain fibers.
23. Mention the properties of LASER.
24. Accommodation
25. Write any two uses of Biofeedback in Physiotherapy.
26. Define Rebox type current.
27. Define electromagnetic spectrum.