

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.P.T Degree Examination – 19-Dec-2022**

**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 (Second Question choice)**

**2 x 10 = 20 Marks**

1. Describe wax therapy and its application.
2. Define UVR. Mention its types, indication, contra-indication, dangerous, test dose, physiology and therapeutic effects.

**Or**

Define Galvanic current. Mention its indication, contra-indication, dangers, physiological and therapeutic effects.

**SHORT ESSAYS (Question No.3 & 12 choice)**

**10 x 5 = 50 Marks**

3. Explain production of Microwave.
4. Describe preparation of skin resistance lowering tray.
5. Explain physiological effect of interferential therapy.
6. Explain laws of radiation.
7. Explain types of Laser.
8. Describe motor unit action potential.
9. What are the principles of sensory nerve conduction?
10. Enumerate indications and contra-indications of Fluid therapy.
11. Explain production of ultrasound.
12. Explain pain gate control theory.

**Or**

Describe alternating current.

**SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Define convection.
14. Define Ohm's law.
15. What are Semiconductors?
16. What is Neuropraxia?
17. List the uses of IRR.
18. What is F-wave?
19. Name the causes for foot drop.
20. What is Voltmeter?
21. Define refraction.
22. What is cavitation?

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