

Roll No.: .....

**THEORY SPECIAL SUPPLEMENTARY/RE-APPEAR EXAMINATION NOV-2021**

<b>Program:</b>	<b>MPT (Ortho)</b>	<b>Year/Semester:</b>	<b>1<sup>st</sup> Semester</b>
<b>Course/Subject:</b>	<b>Applied Electrotherapy</b>	<b>Duration:</b>	<b>3 hours</b>
<b>Course/Subject Code:</b>	<b>03110103</b>	<b>Maximum Marks:</b>	<b>60</b>
		<b>Batch:</b>	<b>2019</b>

**Instructions: -**

1. Write Your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

**SECTION-A**

**(Very Short Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[12X1=12]**

<b>S. No.</b>	<b>Question</b>	<b>Marks Allotted</b>
1	What is rheobase	1
2	What is functional electrical stimulation	1
3	Therapeutic uses of High TENS	1
4	Van't Hoff's law	1
5	Physiological effect of cryotherapy	1
6	What is motor unit action Potential?	1
7	What is virtual reality?	1
8	What is Therakin tunnel?	1
9	What is the wavelength and frequency of SWD?	1
10	What is kink curve?	1
11	Properties of Magnet?	1
12	What is Russian current?	1

**SECTION-B**  
**(Short Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X2=8]**

S. No.	Question	Marks Allotted
13	Differentiate between H reflex and F wave	2
14	Explain neurophysiology of Pain	2
15	Explain application of contrast bath	2
16	Clinical application of Ultrasound	2

**SECTION-C**  
**(Long Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X10=40]**

S. No.	Question	Marks Allotted
17	Define TENS. Explain in detail its type, frequency, intensity, position of electrodes and method of application of TENS	10
18	What is strength Duration curve? Explain in detail the technique of doing it	10
19	Define erythema? Elaborate different degree of erythema? Explain How to find out first degree of erythema	10
20	Describe IFT , its parameters, method of application and its indication in detail	10