

## Master of Physiotherapy Examination

Basic Science in  
Physiotherapy in Sports

Date : 03-06-2022, Friday]

[Max. Marks : 100

Time : 3 Hours]

**Instructions :**

- (1) Figure to the right indicate marks.
- (2) Write legibly.
- (3) Draw diagrams wherever necessary.
- (4) All questions are compulsory.

**Q1** Write a note on body composition and also describe densitometry in detail

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**Q2** Describe nutritional deficiencies which can affect neuromusculoskeletal Health,

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**Q3** Write a note on ergonomics and also describe its role in injury and disease prevention .

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**Q4.** Describe in Detail EMG and NCV

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**Q5** Describe the mechanism of impulse conduction and muscle contraction in response to a milliampere current application

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