

# Rajiv Gandhi University of Health Sciences, Karnataka

## Fellowship Examination – 07-Sep-2023

**[Time: 3 Hours]****[Max. Marks: 100]****ULTRASOUND AND IMAGE GUIDED ADVANCED NERVE BLOCKS - PAPER – I****QP Code: 4314**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**Answer All The Questions****10 X 10 = 100 Marks**

1. Classify nerve fibres. Describe the anatomy of nerve fibres with appropriate diagram
2. Discuss the minimum aseptic precautions to be followed while performing peripheral nerve blocks
3. Discuss in brief about anatomy of spinal cord with diagram
4. Discuss about regional anaesthesia in anti coagulated patients – recent guidelines
5. Discuss in detail about the concept of "On arrival" blocks
6. Uses of ultrasound in I.C.U
7. What is Anisotropy? Describe the echogenicity of various structures in human body
8. Classify local anaesthetics. Discuss in detail about local anaesthetic systemic toxicity
9. Define Rheobase, Chronaxy. Discuss the important features of nerve stimulators
10. Definition of Ultrasound, Piezo electric effect, Reverberation and post acoustic enhancement and its clinical applications

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