

Webinar on How to Crack GATE - Biomedical Engineering

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### NEW CHANGES IN GATE 2021 PAPER

- ▶ Multiple Select Questions (MSQ)
- ▶ You can appear for more than one paper. (BT/XL)
- ▶ A sample paper may become available for BM

**Live event Q&A**

Featured My questions Most recent

**Moderator** 10:04 AM  
Post your queries here if you have any .. it will be included at last in Q & A sessions

**PIYUSH PATEL** 10:20 AM  
Great content and delivery..

**Moderator** 10:25 AM  
Start Posting your questions so that it can be asked at the end to expert

**PRITY MAHATO** 10:27 AM  
Books from syllabus sem 3-8 is enough for preparing for gate ? Or do we need extra material for preparation ?


Ask a question

Desktop 10:40 29-08-2020

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RESOURCES FOR PREPARATION:

- ▶ I referred books depending on the topics and the material availability in books:  
Introduction to Medical Imaging - Andrew Webb
- ▶ I referred websites if the content is well defined:  
▶ <https://www.cliffsnotes.com/study-guides/anatomy-and-physiology/bones-and-skeletal-tissues/bone-structure>
- ▶ I have watched YouTube Videos / NPTEL for preparation:  
▶ <https://nptel.ac.in/courses/102/106/102106057/>



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## Basic MRI Physics Review Questions

- [MRI Pulse Sequences](#)
- [MRI - Spatial Localization](#)
- [MRI - Image Formation and Artifacts](#)
- [MRI - Tissue Contrast](#)
- [MRI - Chemical Shift](#)
- [MRI - Diffusion-Weighted Imaging](#)

Take these questions as a: Pre-Test Quiz Post-Test with Answers


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## MRI Pulse Sequences

Back to [section](#).

1. In the presence of a uniform magnetic field, hydrogen protons
  - a.  Line up along the field and rotate around its axis
  - b.  Line up along the field and precess around its axis
  - c.  Remain oriented mostly randomly and precess around the field axis
  - d.  Are not affected by the magnetic field

Show Answer



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