

# Complete Review For The Medical College Admission Test

MCAT - MEDICAL COLLEGE ADMISSION TEST practicalcentre.blogspot.com

MCAT Chemistry - Medical College Admission Test Preparation

➔ **SOLUTION** CHAPTER # 08

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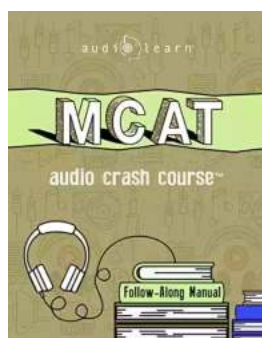
- How many grams of NaOH would be needed to make 100 cm<sup>3</sup> of 0.5 mol dm<sup>-3</sup> solution?  
(a) 1 gm (b)  2 gm  
(c) 5 g (d) 20 g
- If a liquid has a pH of 7, then,  
(a) it must be neutral (b) it has a boiling point of 100°C  
(c) it has colourless solution (d)  all of the above
- If 25 cm<sup>3</sup> of 1 mol dm<sup>-3</sup> HNO<sub>3</sub> is added to 50 cm<sup>3</sup> of 0.5 mol dm<sup>-3</sup> KOH solution, what would be the pH of the resulting solution?  
(a) 5 (b)  7  
(c) 9 (d) 14
- The structure that remains after an acid have given up a proton is called:  
(a) Conjugated acid (b)  Conjugated base  
(c) Conjugated salt (d) Conjugated proton
- Addition of a proton to a base produces the:  
(a) Hydroxide ion (b) Hydronium ion  
(c)  Conjugated acid (d) Conjugated bas
- Which of the following is a Lewis acid?  
(a)  BF<sub>3</sub> (b) OH<sup>-</sup>  
(c) CH<sub>3</sub>COO<sup>-</sup> (d) NH<sub>4</sub><sup>+</sup>
- Calculate the volume of 4M HCl needed to prepare 1 litre of a 0.5M solution?  
(a)  0.1251 (b) 0.0875  
(c) 0.01251 (d) 12.51
- In an aqueous solution, if some acid is added, its pH will:  
(a) Increase (b)  decrease  
(c) remains constant (d) first increase & then decrease

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Are you aspiring to become a medical professional? The Medical College Admission Test (MCAT) is an essential step in your journey. This comprehensive review will provide you with valuable information about what to expect from this challenging exam and how to effectively prepare for it.

## Understanding the MCAT

The MCAT is a standardized test designed to assess the aptitude and knowledge of individuals aiming to pursue a career in the field of medicine. It consists of four sections: Biological and Biochemical Foundations of Living Systems, Chemical and Physical Foundations of Biological Systems, Psychological, Social, and Biological Foundations of Behavior, and Critical Analysis and Reasoning Skills. This assessment evaluates your critical thinking abilities, problem-solving skills, scientific knowledge, and understanding of social and behavioral sciences.



### MCAT Audio Crash Course: Complete Review for the Medical College Admission Test

by AudioLearn Content Team([Print Replica] Kindle Edition)

★★★★★ 5 out of 5

Language : English

File size : 48897 KB

Screen Reader: Supported

Print length : 306 pages

Item Weight : 12.3 ounces

Dimensions : 10.98 x 7.99 x 0.28 inches



## Preparing for the MCAT

Given the significance of the MCAT, thorough preparation is crucial to achieve a desirable score. Here are some key strategies to help you succeed on your journey to med school:

### 1. Start Early

Begin your preparation well in advance. The exam requires immense dedication and time commitment, so it's best to create a study schedule that allows for

ample review and practice sessions.

## **2. Familiarize Yourself with the Test Format**

Understanding the structure and components of the MCAT is fundamental. It enables you to devise a study plan tailored to the specific sections of the exam. Familiarize yourself with the question types and timing constraints to effectively manage your test-taking strategies.

## **3. Utilize Available Resources**

Numerous resources are available to aid in your MCAT preparation. Online platforms, study guides, practice tests, and interactive materials can significantly enhance your understanding of the subjects and help you identify areas that require improvement.

## **4. Practice, Practice, Practice**

Practice is essential to hone your skills and build confidence. Solve as many practice questions as possible to get accustomed to the exam's difficulty level, improve your time management, and refine your critical thinking abilities.

## **Test-Day Tips**

On the day of the MCAT, it's vital to remain calm and focused. Here are some tips to maximize your performance:

### **1. Get Adequate Rest**

Ensure you get a good night's sleep before the exam day to enhance your alertness and concentration during the test.

### **2. Eat a Healthy Meal**

Fuel your body with nutritious food to maintain energy levels throughout the exam. Avoid heavy or greasy meals that might cause discomfort or drowsiness.

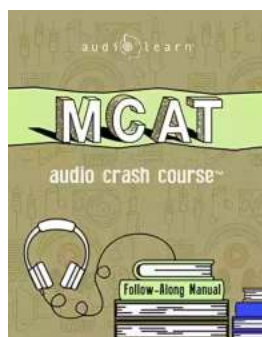
### 3. Arrive Early

Reach the test center well ahead of time to minimize any stress caused by traffic or unexpected delays. This allows you to settle in and mentally prepare for the exam.

### 4. Stay Positive

Maintain a positive mindset and believe in your abilities. Trust your preparation and approach the exam with confidence.

The MCAT is an important milestone on your path towards medical school. It requires diligent preparation, focused studying, and a systematic approach. By starting early, utilizing available resources, and practicing consistently, you can increase your chances of achieving a remarkable score. Remember to stay confident, calm, and well-rested on test day. Good luck with your MCAT journey!



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## AudioLearn Crash Courses Presents MCAT - Complete Review for the Medical College Admission Test

Developed by experienced professors, this course is a valuable tool when preparing for your Medical College Admission Test (MCAT)

Included are both capsule and detailed explanations of critical issues and topics you must know to ace your test. The material is accurate, up-to-date, and broken down into bite-sized sections. There are quizzes and key takeaways following each topic to review questions commonly tested and drive home key points.

In this course, we will cover the following:

### The New MCAT

Biological and Biochemical Foundations of Living Systems

Chemical and Physical Foundations of Biological Systems

Critical Psychological, Social, and Biological Foundations of Behavior

Analysis and Reasoning Skills

We will end each section with a complete practice test.

PLEASE NOTE: This is the Print book version of the course. The audio version is available on Audible.



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