



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Bachelor of Engineering

Level: UG

Branch: ALL

Subject Code : BE01R00021

Subject Name : Physics

w. e. f. Academic Year:	2025-26
Semester:	I st Year
Category of the Course:	BSC

Prerequisite:	Basic understanding of Calculus, Physics and Mathematics course on Differentiate equations
Rationale:	The basic science - physics program is to prepare students for careers in engineering where physics principles can be applied to the advancement of technology. This education at the intersection of engineering and physics will enable students to seek employment in engineering upon graduation while, at the same time, provide a firm foundation for the pursuit of graduate studies in engineering.

Course Outcome:

After Completion of the Course, Student will able to:

No	Course Outcomes	RBT Level
01	The student will apply theoretical and mathematical concepts to solve problems related to properties of matter.	Apply
02	The student will apply basic principles, properties, and applications associated with Waves, Motion, and Acoustics to practical situations.	Apply
03	The student will apply basic principles, properties, and various methods of production techniques in Optics to solve real-world problems.	Apply
04	The student will apply fundamental principles of Quantum Physics to analyze and interpret quantum phenomena.	Apply
05	The student will apply the principles of Lasers to understand their properties and applications in science, engineering, and medicine..	Apply
06	The student will apply knowledge of new engineering materials, including semiconductors, superconductors, and nanomaterials, to practical engineering problems.	Apply

*Revised Bloom's Taxonomy (RBT)

Gtu Syllabus Of Physics

Michal Rosen-Zvi



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Table of Contents Gtu Syllabus Of Physics

1. Understanding the eBook Gtu Syllabus Of Physics
 - The Rise of Digital Reading Gtu Syllabus Of Physics
 - Advantages of eBooks Over Traditional Books
2. Identifying Gtu Syllabus Of Physics
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Gtu Syllabus Of Physics
 - User-Friendly Interface
4. Exploring eBook Recommendations from Gtu Syllabus Of Physics
 - Personalized Recommendations
 - Gtu Syllabus Of Physics User Reviews and Ratings
 - Gtu Syllabus Of Physics and Bestseller Lists

5. Accessing Gtu Syllabus Of Physics Free and Paid eBooks
 - Gtu Syllabus Of Physics Public Domain eBooks
 - Gtu Syllabus Of Physics eBook Subscription Services
 - Gtu Syllabus Of Physics Budget-Friendly Options
6. Navigating Gtu Syllabus Of Physics eBook Formats
 - ePub, PDF, MOBI, and More
 - Gtu Syllabus Of Physics Compatibility with Devices
 - Gtu Syllabus Of Physics Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Gtu Syllabus Of Physics
 - Highlighting and Note-Taking Gtu Syllabus Of Physics
 - Interactive Elements Gtu Syllabus Of Physics
8. Staying Engaged with Gtu Syllabus Of Physics
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Gtu Syllabus Of Physics
9. Balancing eBooks and Physical Books Gtu Syllabus Of Physics
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Gtu Syllabus Of Physics
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Gtu Syllabus Of Physics
 - Setting Reading Goals Gtu Syllabus Of Physics
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Gtu Syllabus Of Physics
 - Fact-Checking eBook Content of Gtu Syllabus Of Physics
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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web in this lab trimyristin is extracted from ground nutmeg occurring in many vegetable oils as well as myristic acid trimyristin consists of long saturated hydrocarbon chains and it is relatively nonpolar thus using a relatively nonpolar solvent trimyristin can be easily extracted by the concept of like dissolves like

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