

# PHYSICS EXAMINATION SYLLABUS

## FORM 1

### 1. INTRODUCTION TO PHYSICS

1. physics as a science (reference to primary science syllabus)
2. Meaning of physics
3. Branches of physics
4. Relationship between physics and other subjects and technology
5. Career opportunities in physics
6. Basic laboratory safety rules

### 2. MEASUREMENTS

1. Definition of length, area, volume, mass, density and time
2. SI units and symbols
3. Estimation of quantities
4. Conservation of units
5. Measuring instruments
6. Experiments on density
7. Problems on density

### 3. FORCES

1. Definition of force
2. Types of forces including cohesive, adhesive and surface tension
3. Experiments to demonstrate cohesion, adhesion and surface tension)
4. Effects of force
5. Mass, weight and their relationship
6. Scalar and vector quantities
7. Problems involving  $W=mg$  (take  $g=10\text{m/Kg}$ )

### 4. PRESSURE

1. Definition of pressure
2. Pressure in solids
3. Factors affecting pressure in fluid
4. Derivation of  $P=gh$
5. Atmospheric pressure
6. Simple mercury barometer
7. Application of pressure drinking straw siphon, hydraulic press hydraulic brakes bicycles pump force, pump lift pump
8. Problems on pressure

### 5. PARTICULATE NATURE OF MATTER

1. Experiments to show that matter is made up of tin particles (eg cutting papers into small pieces dilution experiments)
2. Brownian motion
3. Diffusion (Grahams law not required)

### 6. THERMAL EXPANSION

1. Temperature
2. thermometers

# Kenya Physics Syllabus

**Kenyatta University. Postgraduate  
Seminar**



## Kenya Physics Syllabus:

**Resources in Education** ,1985      **Kenya National Bibliography** Kenya National Library Service. National Reference & Bibliographic Department,2008      **Educafrica** ,1989      **Secondary Education Syllabus** Kenya. Ministry of Education,1992      **A Study of Curriculum Development in Kenya** Curriculum Development Mission,1972

**Resources in Education** ,1993      Curriculum Guide for Secondary Schools Kenya. Ministry of Education,1973

Postgraduate Seminar Abstracts Kenyatta University. Postgraduate Seminar,      **Evaluation of the Literacy Programme, Machakos District** Sila Nzioki,1983      Ministry of Education Annual Report Kenya. Ministry of Education,1979      **Annotated Bibliography on Science and Mathematics Education in Sub-Saharan Africa** John H. Case,1970      *Appropriate Technology* ,1980      **International Yearbook of Education** ,1970 Content of yearbooks originates in the sessions of the International Conference on Education ICE      British Education Index ,1995      **Report of the 3d-4th Congress of the Sanitary Institute of Great Britain** Royal Society of Health (Great Britain),1959      **The Encyclopedia of Comparative Education and National Systems of Education** T. Neville Postlethwaite,1988

*Cambridge University Reporter* University of Cambridge,1968      **Regulations** University of London. Matriculation and School Examinations Council,1939      School Science ,1965      **School Science and Technology** Edgar William Jenkins,1993

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## **Table of Contents Kenya Physics Syllabus**

1. Understanding the eBook Kenya Physics Syllabus
  - The Rise of Digital Reading Kenya Physics Syllabus
  - Advantages of eBooks Over Traditional Books
2. Identifying Kenya Physics Syllabus
  - 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 Kenya Physics Syllabus
  - User-Friendly Interface
4. Exploring eBook Recommendations from Kenya Physics Syllabus
  - Personalized Recommendations
  - Kenya Physics Syllabus User Reviews and Ratings
  - Kenya Physics Syllabus and Bestseller Lists
5. Accessing Kenya Physics Syllabus Free and Paid eBooks

- Kenya Physics Syllabus Public Domain eBooks
  - Kenya Physics Syllabus eBook Subscription Services
  - Kenya Physics Syllabus Budget-Friendly Options
6. Navigating Kenya Physics Syllabus eBook Formats
- ePub, PDF, MOBI, and More
  - Kenya Physics Syllabus Compatibility with Devices
  - Kenya Physics Syllabus Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Kenya Physics Syllabus
  - Highlighting and Note-Taking Kenya Physics Syllabus
  - Interactive Elements Kenya Physics Syllabus
8. Staying Engaged with Kenya Physics Syllabus
- Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Kenya Physics Syllabus
9. Balancing eBooks and Physical Books Kenya Physics Syllabus
- Benefits of a Digital Library
  - Creating a Diverse Reading Collection Kenya Physics Syllabus
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Kenya Physics Syllabus
- Setting Reading Goals Kenya Physics Syllabus
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Kenya Physics Syllabus
- Fact-Checking eBook Content of Kenya Physics Syllabus
  - 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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latch BROKEN. Oct 27, 2013 — Use needle nosed pliers on the drivers side of the pin. It should slide right out. Along the way it will pop the spring that lifts the arm rest ... Center Console Lid Latch for Select Honda Civic - ... EASY TO INSTALL: Replace the Broken Part in a Matter of Minutes for a Secure & Tight Fit. INCLUDES: One (1) Heat and Impact Resistant Aftermarket Armrest Cover ... 08 Civic center console help (latch) Aug 5, 2014 — I found the piece and glued it back in place. But I cannot seem to understand how the spring is set up for the latch. One piece obviously goes ... Broken center console lid : r/civic So I broke the center console lid on my 22 Civic SI been looking everywhere for a part number so I can get it a replacement or if not ... 2016 Center Console Latch Button Broke Nov 6, 2018 — I just went to raise it, and it popped out in 3 pieces..latch, broken latch tab, and spring. Has anyone else had that particular piece break? Biological Science (4th Edition) by Freeman, Scott Freeman's book brings a refreshing approach to writing about biology. Each chapter and section within each chapter, provides the student with the "meat and ... Biological Science 4th (Fourth) Edition by Freeman Freeman's book brings a refreshing approach to writing about biology. Each chapter and section within each chapter, provides the student with the "meat and ... Biological Science (4th Edition) - Hardcover Supports and motivates you as you learn to think like a biologist. Building upon Scott Freeman's unique narrative style that incorporates the Socratic ... Biological Science - Scott Freeman Other editions - View all · Biological Science 4th Ed Masteringbiology Code Card · Pearson Education, Inc., Scott Freeman No preview available - 2010. Biological ... Biological Science Volume 1 (4th Edition) - Softcover Biological Science Volume 1 (4th Edition) by Freeman, Scott - ISBN 10: 0321613473 - ISBN 13: 9780321613479 - Pearson - 2010 - Softcover. Biological Science (4th Edition) by Scott Freeman Pearson. 4. Good. Good. Ship within 24hrs. Satisfaction 100% guaranteed. APO/FPO addresses supported. Synopsis. Includes index. Reviews. Biological Science Volume 1 (4th Edition) | Wonder Book Supports and motivates you as you learn to think like a biologist. Building upon Scott Freeman... Biological Sciences Fourth Edition International ... For introductory courses for Biology majors. With the Third Edition, the content has been streamlined with an emphasis on core concepts and core ... Biological Science - Text Only 4th Edition Buy Biological Science - Text Only 4th edition (9780321598202) by Scott Freeman for up to 90% off at Textbooks.com. 9780321598202: Biological Science (4th Edition) Biological Science (4th Edition) ISBN 9780321598202 by Freeman, Scott. See the book Sell/Buy/Rent prices, more formats, FAQ & related books on ...