

# Jamb 2023 Questions And Answers

## Physics JAMB Questions and Answers 2023 [Numbers 1 – 10]

1. Which of the following represents the correct precision if the length of a piece of wire is measured with a meter rule?  
A. 35mm      B. 35.0mm  
C. 35.00mm    D. 35.01mm
2. Which of the following is most strongly deflected by a magnetic field?  
A.  $\gamma$ -rays      B.  $\alpha$ -rays  
C.  $\beta$ -particles    D. X-rays
3. A substance has a half-life of 3min. After 6mins, the count rate was observed to be 600. What was its count rate at zero time?  
A. 200      B. 1200  
C. 1600      D. 2400
4. A light of energy 5eV falls on a metal and electrons with a maximum kinetic energy of 2eV are ejected. The work function of the metal is  
A. 0.4eV      B. 2.5eV  
C. 3.0eV      D. 7.0eV
5. If an object is placed in front of two mirrors inclined at  $90^\circ$ , how many images will be formed?  
A. Five      B. Four  
C. Three      D. Two
6. A 12V battery has an internal resistance of  $0.5\Omega$ . If a cable of  $1.0\Omega$  resistance is connected across the terminals of the battery, the current drawn from the battery is  
A. 16.0A      B. 8.0A  
C. 0.8A      D. 0.4A
7. If two parallel wires carry currents flowing in the same direction, the conductors will  
A. attract each other  
B. repel each other  
C. both move in the same direction  
D. have no effect on each other
8. From the generating station to each sub-station, power is transmitted at a very high voltage so as to reduce  
A. eddy current loss  
B. hysteresis loss  
C. heating in the cables  
D. magnetic flux leakage
9. Two tuning forks of frequencies 256Hz and 260Hz are sounded close to each other. What is the frequency of the beats produced?  
A. 516Hz      B. 258Hz  
C. 4Hz      D. 300Hz
10. The eye controls the amount of light reaching the retina by adjusting the  
A. cornea      B. iris  
C. retina      D. optic nerve

## Answers to Physics Question Number 1 – 10

**JAMB 2023 Questions and Answers** are a topic of great importance for students in Nigeria preparing for the Joint Admissions and Matriculation Board (JAMB) examinations. These exams are crucial for university admissions and have a reputation for being quite challenging. This article aims to provide insights into the JAMB 2023 examination, including the types of questions students can expect, strategies for preparation, and the significance of these exams in the Nigerian educational landscape.

## Understanding JAMB and Its Importance

The Joint Admissions and Matriculation Board (JAMB) is the regulatory body

responsible for conducting entrance examinations for tertiary institutions in Nigeria. Established in 1978, JAMB has played a pivotal role in standardizing the admission process across various universities, polytechnics, and colleges of education.

## **Significance of JAMB Examinations**

- Admission Requirement: JAMB scores are a primary criterion for admission into Nigerian universities, making it essential for students to perform well.
- Standardized Assessment: The exams provide a uniform measure of academic ability, ensuring that all students are evaluated on the same scale.
- Gateway to Tertiary Education: Success in the JAMB examination opens doors to higher education and professional opportunities.

## **Structure of the JAMB 2023 Examination**

The JAMB examination comprises multiple-choice questions that cover various subjects, including:

- English Language
- Mathematics
- Biology
- Chemistry
- Physics
- Literature in English
- Government
- Economics

Each candidate is typically required to take one core subject related to their desired field of study, alongside the compulsory English Language.

## **Exam Format**

1. Number of Questions: Each subject usually contains 40 to 50 questions.
2. Duration: Candidates are given a specific time frame, commonly 2-3 hours, to complete the examination.
3. Scoring: The total score is often out of 400, and universities set their minimum cut-off marks for admission.

## **Types of Questions in JAMB 2023**

The nature of questions in the JAMB examination can vary widely. Here are some common types of questions that students may encounter:

## **Multiple-Choice Questions**

- These are the most prevalent type of questions.
- Students must select the correct answer from a list of options (A, B, C, D).

## **Comprehension and Interpretation Questions**

- Typically found in English Language and Literature sections.
- Students must read a passage and answer questions based on their understanding.

## **Problem-Solving Questions**

- Common in Mathematics and Science subjects.
- These require students to apply formulas or principles to arrive at a solution.

## **Data Interpretation Questions**

- Often included in the Mathematics and Economics sections.
- Students may be required to analyze graphs, tables, or charts.

## **Preparation Strategies for JAMB 2023**

As the JAMB examination date approaches, it is crucial for candidates to engage in effective study practices. Here are some strategies to enhance preparation:

### **Create a Study Schedule**

- Set Clear Goals: Break down the syllabus into manageable sections.
- Allocate Time Wisely: Dedicate specific hours each day to study different subjects.
- Consistency is Key: Stick to your schedule to build a study routine.

### **Utilize Study Materials**

- Past Questions: Practicing with past JAMB questions can provide insight

into the exam format and commonly tested topics.

- Textbooks and Revision Guides: Use recommended books to reinforce your understanding of concepts.
- Online Resources: Leverage educational platforms and websites that offer practice tests and tutorials.

## **Join Study Groups**

- Collaborating with peers can facilitate knowledge sharing and provide different perspectives on challenging subjects.
- Study groups can also motivate members to stay committed to their preparation.

## **Take Mock Examinations**

- Simulating the exam environment can help reduce anxiety on the actual test day.
- Mock exams provide an opportunity to identify strengths and weaknesses in various subjects.

## **Seek Professional Guidance**

- Consider enrolling in preparatory classes or hiring a tutor to provide additional support.
- Professional guidance can offer targeted strategies for tackling difficult subjects.

## **Common Challenges in JAMB Preparation**

Despite the best efforts, students often face several challenges while preparing for the JAMB examination:

### **Time Management**

- Many students struggle to balance their preparation with other responsibilities, such as schoolwork or part-time jobs.
- Effective time management techniques can help alleviate this issue.

## **Understanding the Syllabus**

- The vastness of the syllabus can be overwhelming for some candidates.
- Breaking down the syllabus into smaller sections can make it more manageable.

## **Exam Anxiety**

- The pressure to perform can lead to anxiety, affecting students' performance during the exam.
- Practicing relaxation techniques and maintaining a positive mindset can help mitigate anxiety.

## **JAMB 2023 Questions and Answers: What to Expect**

While the exact questions for JAMB 2023 cannot be predicted, students can anticipate certain trends based on previous years' examinations. Here are some tips on what to focus on:

## **Current Affairs and General Knowledge**

- Stay updated on current events, especially in Nigeria, as questions may relate to recent developments in politics, economics, and social issues.

## **Core Subject Topics**

- For Science subjects, focus on foundational concepts in Biology, Chemistry, and Physics.
- For Arts subjects, ensure you understand literary devices, themes, and historical contexts.

## **Practice Makes Perfect**

- Regularly practicing questions from various subjects will build confidence and improve speed and accuracy.

## **Conclusion**

The JAMB 2023 examination is a significant milestone in the educational journey of Nigerian students. With the right preparation strategies, a solid understanding of the exam structure, and an awareness of potential challenges, candidates can enhance their chances of success. Utilizing past questions, study materials, and effective time management will contribute significantly to achieving a desirable score. As the exam date approaches, staying focused and motivated will be essential for navigating this critical phase in pursuit of higher education.

## **Frequently Asked Questions**

### **What is JAMB and why is it important for Nigerian students?**

JAMB, the Joint Admissions and Matriculation Board, is responsible for conducting entrance examinations for tertiary institutions in Nigeria. It is crucial for students as it determines their eligibility for admission into universities, polytechnics, and colleges of education.

### **When will the JAMB 2023 examination take place?**

The JAMB 2023 examination dates were announced to be from April 2023, but specific dates may vary, so it's important to check the official JAMB website for the most current information.

### **Where can I find JAMB 2023 past questions and answers?**

JAMB past questions and answers can be found on the official JAMB website, educational resource websites, and various exam preparation books available both online and in bookstores.

### **Are there any changes to the JAMB 2023 examination format?**

Yes, each year JAMB may introduce minor changes to the examination format or syllabus. For 2023, it is important to review the official JAMB guidelines to understand any updates.

### **What subjects are included in the JAMB 2023 examination?**

The subjects for JAMB 2023 typically include English Language, Mathematics, and three other subjects relevant to the chosen course of study. Students should check the specific requirements for their desired programs.

## How can I prepare effectively for the JAMB 2023 examination?

Effective preparation for JAMB 2023 includes studying past questions, using recommended textbooks, attending preparatory classes, and utilizing online resources and study groups for collaboration.

## Is there an official JAMB app for accessing questions and answers?

Yes, JAMB provides an official mobile application that can be used to access information, including questions and answers, as well as updates regarding the examination process.

## What should I do if I encounter issues during the JAMB 2023 examination?

If you encounter any issues during the JAMB examination, you should immediately notify the invigilators or examination officials present at the center for assistance.

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### **JAMB Definition & Meaning - Merriam-Webster**

The meaning of JAMB is an upright piece or surface forming the side of an opening (as for a door, window, or fireplace).

### **JAMB Portal 2025: All Official Jamb Portal for Registration, Result ...**

In this guide, we'll walk you through the different sections of the JAMB Portal 2025, including how to check admission status, register for JAMB, and apply for institution change.

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