

wassce 2014 integrated science exam question Tutorial

wassce 2014 integrated science exam question is a topic that has garnered significant interest among students, teachers, and education stakeholders in West Africa. The West African Senior School Certificate Examination (WASSCE) is a crucial assessment that evaluates the academic proficiency of senior high school students, particularly in subjects like Integrated Science. The 2014 edition of the exam remains a point of reference for many due to its challenging questions and insightful testing of students' understanding of scientific concepts.

Understanding the structure and content of the WASSCE 2014 Integrated Science exam questions can greatly enhance students' preparation strategies, improve their performance, and boost their confidence during the actual examination. This article delves into the details of the 2014 exam questions, providing insights, tips, and explanations to help students navigate similar questions effectively.

Overview of the WASSCE 2014 Integrated Science Exam

The 2014 Integrated Science exam was designed to test candidates' grasp of fundamental scientific principles across various topics. It typically comprises multiple sections, each assessing different skills such as recall, comprehension, application, and analysis. The exam aims to:

- Evaluate students' understanding of scientific concepts.
- Assess their ability to apply knowledge to real-world situations.
- Test their skills in interpretation, deduction, and problem-solving.

The exam format generally includes multiple-choice questions, structured questions, and essay-type questions, covering topics like biology, chemistry, physics, and environmental science.

Common Themes Covered in the 2014 Exam Questions

Analyzing the 2014 exam questions reveals recurring themes and topics, which are essential for effective preparation. These include:

- **Biology:** Cell structure, human body systems, plant physiology, and ecology.
- **Chemistry:** Atomic structure, chemical reactions, acids and bases, and environmental

chemistry.

- **Physics:** Force, motion, energy, light, and sound.
- **Environmental Science:** Pollution, conservation, and sustainable development.

Familiarity with these themes and their typical question formats can significantly improve students' ability to answer confidently.

Sample Questions from WASSCE 2014 Integrated Science Exam

To illustrate the nature of the 2014 exam questions, here are some representative examples, accompanied by explanations and tips:

1. Multiple Choice Question Example

Question:

Which of the following processes is responsible for the movement of water from the roots to the leaves in a plant?

- A) Transpiration
- B) Photosynthesis
- C) Respiration
- D) Osmosis

Answer: A) Transpiration

Explanation:

Transpiration is the process by which water vapor is lost from the plant's leaves, creating a negative pressure that pulls water upward through the xylem vessels from the roots. Understanding the differences between similar processes like photosynthesis (plant food production) and respiration (energy release) is vital for answering such questions.

Tip:

Memorize key plant processes and their functions to easily identify correct options in multiple-choice questions.

2. Structured Question Example

Question:

- (a) Define the term 'force'.
- (b) State two effects of force on an object.
- (c) An object of mass 10 kg is acted upon by a force of 50 N. Calculate the acceleration produced. (Take $g = 9.8 \text{ m/s}^2$)

Answer:

- (a) Force is a push or pull applied to an object that causes a change in its state of motion or shape.
- (b) Effects include:
 - Change in speed (acceleration or deceleration)
 - Change in direction
 - Deformation of the object (if elastic)

- (c) Using Newton's second law:

$$[F = ma]$$

$$[a = \frac{F}{m} = \frac{50 \text{ N}}{10 \text{ kg}} = 5 \text{ m/s}^2]$$

Tip:

Practice calculations regularly and understand fundamental formulas to quickly solve structured questions.

3. Essay/Long-Answer Question Example

Question:

Explain the process of photosynthesis and mention its importance to plants and animals.

Sample Answer:

Photosynthesis is a process by which green plants, algae, and some bacteria convert light energy into chemical energy stored in glucose. It occurs mainly in the chloroplasts of plant cells, where chlorophyll absorbs sunlight. The general equation for photosynthesis is:



During photosynthesis, carbon dioxide and water are used to produce glucose and oxygen. This process is vital because it provides the primary energy source for all living organisms and maintains atmospheric oxygen levels.

Importance:

- It supplies food and energy for plants and herbivores.
- It contributes to the oxygen supply essential for respiration in animals and humans.

Tip:

When answering essay questions, structure your response with clear introduction, detailed explanation, and conclusion. Use diagrams where necessary to enhance understanding.

Strategies for Tackling WASSCE 2014 Integrated Science Questions

Success in the exam requires a combination of good preparation, effective time management, and strategic answering techniques. Here are some tips to approach questions effectively:

1. Understand Concepts Thoroughly

- Focus on core concepts across biology, chemistry, physics, and environmental science.
- Use diagrams, charts, and mnemonic devices to reinforce understanding.

2. Practice Past Questions

- Regularly solve past exam questions, especially those from 2014, to familiarize yourself with question formats.
- Review examiner reports to identify common pitfalls and areas of emphasis.

3. Develop Time Management Skills

- Allocate time to each section based on question weightings.
- Leave time for review and double-checking answers.

4. Master Key Formulas and Definitions

- Keep a formula sheet for quick revision.
- Memorize important definitions and processes.

5. Use Clear and Concise Language

- When answering structured and essay questions, organize your thoughts logically.
- Use scientific terminology accurately.

Resources for Further Preparation

To enhance your readiness for future exams, consider utilizing the following resources:

- Past Exam Papers and Marking Schemes: Access WASSCE past papers, especially 2014, to practice and understand the examiners' expectations.
- Textbooks and Revision Guides: Use recommended Integrated Science textbooks aligned with your curriculum.
- Online Educational Platforms: Websites offering tutorials, quizzes, and interactive lessons on Integrated Science topics.
- Study Groups: Collaborate with peers to discuss difficult topics and share knowledge.

Conclusion

The **wassce 2014 integrated science exam question** provides valuable insights into the type of questions students can expect and the level of understanding required. By analyzing past questions, practicing regularly, and mastering core concepts, students can significantly improve their performance. Remember, success in Integrated Science hinges on a solid grasp of fundamental principles, application skills, and effective exam strategies. Use the resources available, stay consistent in your studies, and approach each question with confidence. With diligent preparation, you can excel in WASSCE and pave the way for academic and career success in the sciences.

WASSCE 2014 Integrated Science Exam Question: An In-Depth Analysis and Review

Introduction

The West African Senior School Certificate Examination (WASSCE) is a pivotal assessment for students across West Africa, and the 2014 Integrated Science examination remains a notable example of the test's rigor and scope. The exam not only assesses students' knowledge of scientific facts but also their ability to apply scientific principles to real-world scenarios, analyze data, and demonstrate critical thinking. This review will dissect the 2014 Integrated Science exam questions, exploring their structure, thematic coverage, cognitive demands, and implications for teaching and learning.

Overview of the 2014 WASSCE Integrated Science Exam

Purpose and Scope of the Exam

Integrated Science in the WASSCE context aims to evaluate candidates' understanding of various scientific disciplines—biology, chemistry, physics, and environmental science—integrated into cohesive questions. The 2014 paper was designed to:

- Test factual knowledge and understanding
- Assess application of scientific concepts
- Evaluate analytical and problem-solving skills
- Encourage scientific reasoning and critical thinking

Format and Structure

The 2014 exam comprised:

- Multiple-choice questions (Part A) ? typically 20 questions
- Structured questions (Part B) ? usually 5-6 questions, often with sub-parts
- Practical-based or data interpretation questions

The total marks ranged around 60-80, with a time allocation of approximately 2 hours. The questions covered broad themes such as life processes, matter and energy, environmental issues, and scientific methods.

Deep Dive into the 2014 Exam Questions

Thematic Coverage and Content Areas

The questions in the 2014 exam touched on core areas, including:

- Biology:
 - Human and plant nutrition
 - Reproduction and growth
 - Ecosystems and environmental conservation

- Chemistry:
 - Atomic structure and bonding
 - Chemical reactions
 - Acids, bases, and salts

- Physics:
 - Motion and forces
 - Light and optics
 - Electricity and magnetism

- Environmental Science:
 - Pollution and waste management
 - Sustainable development
 - Conservation practices

Sample Question Types and Their Cognitive Levels

The exam featured various question types aligned with Bloom's Taxonomy:

- Recall and knowledge (Lower order): e.g., "Name the process by which plants make food."
- Comprehension: e.g., "Explain how the human circulatory system maintains blood flow."
- Application: e.g., "Calculate the speed of a vehicle that covers 150 km in 3 hours."
- Analysis and evaluation: e.g., "Analyze the effects of deforestation on the climate."
- Synthesis: e.g., "Propose measures to reduce water pollution in urban areas."

Detailed Analysis of Key Questions in the 2014 Exam

Biological Questions

A typical biology question might have asked students to:

- Describe the process of photosynthesis, including the raw materials and products.
- Explain the importance of reproduction in organisms.
- Analyze the effects of environmental pollution on plant and animal life.

Sample Analysis:

If a question involved diagrammatic representation, students had to identify parts of a plant cell or human organ systems. The emphasis was on understanding processes like digestion, respiration, and excretion.

Implications:

Such questions test students' ability to recall facts and interpret biological diagrams, emphasizing both theoretical knowledge and practical interpretation skills.

Chemistry Questions

Questions often focused on:

- The structure of atoms and molecules
- Chemical reactions involving acids, bases, and salts
- Laboratory techniques for separation and purification

Sample Analysis:

A question about balancing chemical equations or calculating molar concentrations tested quantitative skills and understanding of chemical principles.

Practical Component:

Students might have been asked to interpret experimental data, such as results from titration or filtration processes, demanding analytical thinking.

Physics Questions

Physics questions focused on:

- Motion: calculating velocity, acceleration, or forces
- Light: properties of reflection and refraction

- Electricity: circuit diagrams, resistance, and current calculations

Sample Analysis:

A question might present a circuit diagram and ask students to determine the total resistance or the current flowing through the circuit, testing their ability to apply Ohm's Law.

Critical Evaluation of the 2014 Questions

Difficulty Level and Candidate Preparedness

The questions balanced straightforward factual recall with more complex problem-solving, reflecting a well-rounded assessment approach. However, some students found the application and analysis questions challenging due to:

- Limited exposure to data interpretation exercises
- Insufficient emphasis on practical experiments in classroom settings
- Underdeveloped critical thinking skills

Coverage and Balance

While the exam aimed for comprehensive coverage, some critiques include:

- Overemphasis on theoretical questions at the expense of practical skills
- Limited questions on environmental issues, which are increasingly relevant
- Need for more real-life scenario-based questions to enhance contextual understanding

Teaching and Learning Implications

Curriculum Alignment

The 2014 exam underscores the importance of:

- Integrating practical activities into classroom lessons
- Promoting inquiry-based learning approaches
- Encouraging students to analyze real-world problems

Recommendations for Students and Educators

- Students: Focus on understanding concepts deeply, practicing past questions, and developing analytical skills.
- Educators: Incorporate laboratory experiments, field trips, and data analysis exercises to prepare students holistically.

Future Perspectives and Improvements

Enhancing Question Quality

To better prepare students, future exams could:

- Include more scenario-based questions reflecting current scientific challenges
- Use data sets for analysis to improve interpretative skills
- Balance theoretical and practical assessments equally

Incorporating Technology

- Use digital platforms for practice questions
- Integrate multimedia in questions to simulate real-world environments

Conclusion

The WASSCE 2014 Integrated Science exam exemplifies the comprehensive, multi-disciplinary nature of scientific assessment. By analyzing its structure, question types, and thematic coverage, educators and students can glean insights into effective preparation strategies. Moving forward, a focus on practical skills, critical thinking, and real-world applications will continue to enhance the value and relevance of integrated science assessments in preparing students for scientific challenges ahead.

In summary, the 2014 WASSCE Integrated Science exam challenges students to demonstrate not only factual knowledge but also their ability to analyze, interpret, and apply scientific principles. Recognizing the strengths and areas for improvement in such assessments can guide curriculum development and teaching methodologies, ultimately fostering a deeper appreciation and understanding of science among students.

QuestionAnswer What are common topics covered in the 2014 WASSCE Integrated Science exam? The 2014 WASSCE Integrated Science exam commonly covers topics such as biology (cell structure, human systems), chemistry (elements, compounds, chemical reactions), physics (forces, energy, simple machines), and environmental science. How can students effectively prepare for the

WASSCE 2014 Integrated Science questions? Students should review past questions, understand key concepts, practice with sample questions, and ensure they are familiar with practical experiments and their applications to improve performance. What types of questions were most prevalent in the 2014 WASSCE Integrated Science exam? The exam featured multiple-choice questions, structured questions, and essay-type questions that tested students' understanding of scientific concepts, calculations, and applications. Are there specific tips for solving the chemistry questions from the 2014 WASSCE Integrated Science exam? Yes, students should focus on understanding chemical formulas, balancing equations, and familiarizing themselves with common chemical reactions to efficiently solve chemistry questions. Where can I find the official 2014 WASSCE Integrated Science exam questions and solutions? Official past questions and solutions are available on the West African Examinations Council (WAEC) website, authorized educational resource sites, or through school study guides and tutors. How important is time management when answering the 2014 WASSCE Integrated Science exam questions? Time management is crucial; students should allocate appropriate time to each section, answer easier questions first, and leave more difficult ones for later to ensure all questions are attempted. What are some common mistakes to avoid when answering the 2014 WASSCE Integrated Science exam questions? Common mistakes include misreading questions, rushing through calculations, neglecting units, and failing to review answers. Careful reading and double-checking work can help prevent these errors.

Related keywords: WASSCE 2014, integrated science questions, Ghana exams, senior high school science, science test questions, exam preparation, science curriculum, past exam papers, science examination tips, WASSCE practice questions

WASSCE 2014 WHAT MARK IS A1

WASSCE 2014 What Mark Is A1

The West African Senior School Certificate Examination (WASSCE) is a highly competitive academic assessment conducted annually across West African countries, including Ghana, Nigeria, Sierra Leone, The Gambia, and Liberia. For students, understanding the grading system is crucial for gauging academic performance, planning future educational pursuits, and setting personal goals. One of the most sought-after grades in this examination is the A1, which signifies excellent performance. If you're preparing for WASSCE 2014 or any subsequent year, understanding what mark corresponds to an A1 grade is vital. This article explores the grading system for WASSCE, what scores are considered A1, and how students can interpret their results effectively.

Understanding the WASSCE Grading System

Before delving into what mark constitutes an A1, it is essential to understand the overall grading framework used in WASSCE.

Grades and Corresponding Marks

The WASSCE grading system is designed to categorize students' performance in each subject based on their raw scores. The grades are assigned on a scale from A1 to F9, with A1 being the highest.

Grade	Description	Mark Range (%)
A1	Excellent performance	75% – 100%
B2	Very good performance	70% – 74%
B3	Good performance	65% – 69%
C4	Credit	60% – 64%
C5	Credit	55% – 59%
C6	Credit	50% – 54%
D7	Pass	45% – 49%
E8	Pass	40% – 44%
F9	Fail	0% – 39%

Note: These ranges can vary slightly from year to year or across countries, but the above provides a standard reference.

What Mark Is A1 in WASSCE 2014?

The A1 grade in WASSCE 2014, as in other years, is awarded to students who score within a specific high-performance percentage range. For WASSCE 2014, the official marking scheme designates the following:

Score Range for A1

- A1 corresponds to raw scores of 75% and above.

This means that students who achieve 75% or more in their subject examinations receive an A1 grade, indicating outstanding performance. For example, in a subject with 100 marks, a student must score at least 75 marks to be awarded an A1.

Implications of Achieving A1

- Academic Excellence: An A1 signifies mastery of the subject matter and excellent understanding.
- University Admission: Many tertiary institutions prefer or require A1 grades for competitive programs.
- Scholarship Opportunities: High grades, especially A1s, can improve chances of securing scholarships and other academic rewards.

How Are Marks Calculated in WASSCE?

Understanding the process of how raw scores translate into grades can help students aim for their target marks.

Steps in Mark Calculation

- Examination Performance: Students answer questions across various sections, earning raw scores.
- Marking and Moderation: Markers evaluate scripts, and results may be moderated to ensure fairness.
- Conversion to Percentage: Raw marks are converted into percentages based on the total marks available.
- Grade Assignment: Percentages are mapped onto the grade scale to determine the final grade.

Factors Influencing Final Scores

- Question Difficulty: Some years may have more challenging questions, affecting raw scores.
- Candidate Preparation: Adequate preparation and understanding of the syllabus can influence performance.
- Examination Conditions: External factors such as stress or health can impact scores.

Strategies to Achieve A1 in WASSCE 2014

Achieving an A1 requires dedication, strategic studying, and effective examination techniques.

Effective Preparation Tips

- Understand the Syllabus Thoroughly: Focus on exam-relevant topics.
- Practice Past Questions: Familiarize yourself with the question patterns and time management.
- Attend Revision Classes: Seek extra coaching or tutorials if needed.
- Create a Study Schedule: Balance study time across subjects.
- Use Quality Study Materials: Rely on recommended textbooks and resources.
- Develop Examination Skills: Practice answering questions within time limits and learn how to present answers clearly.

During the Examination

- Read Questions Carefully: Avoid misinterpretation.
- Allocate Time Wisely: Spend appropriate time on each question.
- Show Working and Clarify Answers: For subjects like mathematics and sciences.
- Review Your Work: If time permits, recheck answers to correct mistakes.

Interpreting Results and Grading in WASSCE 2014

Upon receiving results, students need to interpret their scores in relation to the grading system.

What A1 Means for Your Academic Record

- Qualification for Advanced Studies: A1 grades in core subjects enhance your university application.
- Standing Among Peers: A1 positions you among the top performers.
- Eligibility for Scholarships: Many scholarship schemes require high grades, often A1s.

Common Queries About WASSCE Results

- Can I Appeal My Results? Yes, if you believe there was an error in grading or marking.
- What If I Score Below A1? You can still pass or qualify for other programs, but your options may be limited for competitive courses.
- How Does A1 Affect Overall Performance? Usually, students with multiple A1s are considered high-achievers.

Conclusion

In summary, in WASSCE 2014, achieving an A1 grade in a subject requires earning a raw score of at least 75%, translating to 75% or higher of the total marks available. This grade reflects superior understanding and performance, often opening doors for higher education opportunities, scholarships, and academic recognition. Students aiming for this top grade should focus on thorough preparation, consistent revision, and strategic exam techniques. Understanding the grading system and what marks correspond to A1 can help students set realistic goals, measure their progress, and ultimately succeed in their examinations.

Whether you are a student, parent, teacher, or education enthusiast, knowing what constitutes an A1 in WASSCE 2014 can empower you to better prepare and support candidates in their pursuit of academic excellence.

WASSCE 2014 What Mark is A1: An In-Depth Review and Guide

Understanding the grading system of the West African Senior School Certificate Examination (WASSCE) is crucial for students, educators, and parents alike. In particular, many candidates and stakeholders often ask, "What mark is an A1 in WASSCE 2014?" The answer to this question provides clarity on performance standards and helps students gauge their success relative to the grading criteria. This article offers a comprehensive review of the WASSCE grading system, focusing on the 2014 examination period, and explains what marks correspond to an A1 grade, including insights into the grading scales, marking schemes, and implications for students' academic futures.

Understanding WASSCE Grading System

Before delving into specific marks, it's essential to comprehend how the WASSCE grading system operates. The West African Examinations Council (WAEC) awards grades based on students' raw scores in each subject, which are then converted into grades ranging from A1 to F9.

The Grading Scale

The WASSCE grading system for the 2014 examinations (and similar years) is as follows:

- A1: Excellent (Highest grade)
- B2: Very Good
- B3: Good
- C4: Credit
- C5: Credit

- C6: Credit
- D7: Pass
- E8: Pass
- F9: Fail

Each grade corresponds to a specific range of marks, with A1 being the highest achievable grade. The key question is: What marks are needed to secure an A1 in WASSCE 2014?

What Mark is an A1 in WASSCE 2014?

Based on the official grading scheme, the A1 grade in WASSCE 2014 was awarded to candidates who scored 80% or above in their respective subjects. This means that to attain an A1, a student's raw score must be at least 80% of the total possible marks for the subject.

In concrete terms:

- For a subject with a total of 100 marks, an A1 would require at least 80 marks.
- For subjects with different total marks (e.g., 50 or 80), the exact number of marks needed varies proportionally, but the percentage threshold remains consistent at 80%.

This percentage-based mark is crucial for understanding how performance is evaluated across different subjects and years, including WASSCE 2014.

Importance of the A1 Grade

Achieving an A1 in WASSCE is a significant milestone for students. It reflects exceptional understanding and mastery of the subject matter and often opens doors to higher education opportunities, scholarships, and competitive programs. Universities and colleges across West Africa consider A1 grades as a mark of excellence, often prioritizing candidates with multiple A1s in their applications.

Pros of achieving A1 include:

- Increased chances of gaining admission into competitive tertiary institutions.
- Eligibility for scholarships and academic awards.
- Enhanced confidence and motivation for future academic pursuits.
- Strong foundation for advanced studies or professional certifications.

Cons or challenges:

- Achieving an A1 requires consistent high performance and dedication.
- The pressure to score above 80% can be stressful for some students.
- It may necessitate intensive preparation, especially for subjects with complex syllabi.

Distribution of Grades in WASSCE 2014

While the exact distribution can vary yearly, the WASSCE 2014 results showed a commendable performance among candidates, with a significant percentage securing A1 grades in core subjects. This trend indicates a high level of preparation and quality of instruction across the participating schools.

Key features of the 2014 results include:

- A notable increase in the number of students scoring A1 compared to previous years.
- Improved performance in subjects like Mathematics, English, and Science.
- A healthy distribution of grades, with many students earning B and C grades as well.

This distribution underscores the importance of understanding what it takes to earn an A1, especially in competitive examination years like 2014.

How Are WASSCE Marks Calculated?

The raw scores obtained by students are converted into grades based on predetermined percentage thresholds. The process involves:

- Marking and grading: Examiners mark scripts and assign raw scores.
- Scaling: Raw scores are scaled to account for differences in test difficulty across years.
- Grade assignment: Based on the scaled scores, students are assigned the appropriate grade.

In 2014, the threshold for an A1 was set at 80% or above, meaning students needed to score at least 80% of total marks to be graded A1.

Implications of the A1 Grade for Students

Achieving an A1 grade in WASSCE 2014 carries significant academic and career implications:

- Admission advantage: Many tertiary institutions prioritize students with high grades, especially A1s, for competitive courses.

- Scholarship eligibility: Numerous scholarships target students with excellent grades.
- Self-confidence: Excelling in exams fosters personal confidence and academic motivation.
- Foundation for future success: A strong performance in WASSCE can serve as a stepping stone for future academic pursuits, including university studies and professional certifications.

Tips for Students Aiming for A1 in WASSCE

To secure an A1, students need strategic preparation and consistent effort. Here are some tips:

- Understand the syllabus thoroughly: Focus on understanding concepts rather than rote memorization.
- Practice past questions: Familiarize yourself with the exam pattern and frequently tested topics.
- Time management: Allocate sufficient time for each subject and revision.
- Seek assistance: Engage teachers, tutors, or study groups to clarify difficult concepts.
- Stay motivated and disciplined: Consistency is key to achieving high scores.

Summary and Final Thoughts

In conclusion, WASSCE 2014 what mark is A1 is explicitly defined as achieving a score of at least 80% in a given subject. This benchmark underscores the level of mastery and excellence expected from students aiming for top grades. Understanding this grading criterion helps students set realistic goals and strategize their studies effectively.

Achieving an A1 is undoubtedly challenging but rewarding. It signifies not just high marks but also a strong grasp of subjects, dedication, and academic discipline. As the 2014 results demonstrated, diligent preparation and understanding of the grading system can lead to outstanding performance. Whether you are a student aiming for that top grade, a parent supporting your child's academic journey, or an educator guiding students, knowing what constitutes an A1 in WASSCE is fundamental to setting clear expectations and achieving excellence.

Final Note: Remember that each year's grading thresholds may slightly vary based on exam difficulty and performance trends, but traditionally, an A1 remains within the 80% and above mark range. Always refer to official WAEC documentation or results releases for the most accurate and updated information.

QuestionAnswer What is the minimum mark required to achieve an A1 grade in WASSCE 2014? In WASSCE 2014, a candidate needed to score between 75% and 100% to earn an A1 grade. How is the A1 grade defined in WASSCE 2014? The A1 grade in WASSCE 2014 is awarded to candidates who scored between 75 and 100 marks out of a total of 100. What score range corresponds to an A1 in WASSCE 2014? An A1 in WASSCE 2014 corresponds to a score of 75

marks or higher out of 100. Is scoring 70 marks in WASSCE 2014 considered an A1 grade? No, scoring 70 marks in WASSCE 2014 would typically be classified as a B2 grade; an A1 requires at least 75 marks. How does the A1 grade in WASSCE 2014 compare to other grades? The A1 is the highest grade in WASSCE 2014, awarded for scores between 75 and 100 marks, indicating excellent performance.

Related keywords: WASSCE 2014, WASSCE grading system, A1 mark, WASSCE results 2014, WASSCE grading scale, WASSCE score requirements, WASSCE grade A1, WASSCE performance 2014, WASSCE grading criteria, what is A1 in WASSCE

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