

# Biology Practical For Neco File PDF

**biology practical for neco** is an essential component of the Nigerian Examinations Council (NECO) Senior Secondary School Certificate Examination (SSCE). It serves as a critical assessment tool to evaluate students' understanding and skills in fundamental biological concepts and laboratory techniques. Preparing adequately for biology practicals not only boosts students' confidence but also enhances their practical skills, which are vital for higher education and careers in science-related fields. This article provides a comprehensive guide to understanding the key aspects of biology practicals for NECO, including the objectives, common experiments, essential skills, safety protocols, and tips for success.

## Understanding the Objectives of NECO Biology Practical

Before diving into the specifics of the practicals, it's important to understand their primary objectives. The NECO biology practical aims to:

- Assess students' ability to perform fundamental laboratory techniques accurately and safely.
- Evaluate students' understanding of biological concepts through practical application.
- Develop students' skills in observation, identification, and recording of biological phenomena.
- Encourage scientific reasoning, problem-solving, and analytical thinking.
- Promote safety consciousness in laboratory environments.

Achieving these objectives requires thorough preparation, understanding of the practical syllabus, and consistent practice.

## Common Topics and Experiments in NECO Biology Practical

The NECO biology practical syllabus covers a broad range of topics. Below are some of the most common experiments and practical activities students are expected to master.

### 1. Microscopy and Cell Structure

One of the foundational practicals involves understanding the use of microscopes and identifying cell components.

- Preparation and use of a simple light microscope.
- Observation of plant and animal cells (e.g., onion peel, cheek cells).

- Identification of cell organelles such as the nucleus, cytoplasm, cell wall, and chloroplasts.
- Understanding the magnification and resolving power of microscopes.

## 2. Plant and Animal Tissues

Students examine prepared slides or samples to identify different tissues.

- Observation of vascular tissues in plants (xylem and phloem).
- Identification of muscle tissue, epithelial tissue, and nerve tissue in animals.
- Understanding the functions of different tissues in organisms.

## 3. Osmosis and Diffusion

These experiments demonstrate how substances move across cell membranes.

- Investigation of osmosis using potato strips or visking tubing soaked in solutions of varying concentrations.
- Observation of the effects of different salt or sugar solutions on plant tissues.
- Understanding the concepts of hypertonic, hypotonic, and isotonic solutions.

## 4. Enzyme Activity

Students learn how enzymes facilitate biological reactions.

- Testing the activity of amylase on starch solutions.
- Using iodine solution to detect starch presence or absence.
- Studying the effect of temperature and pH on enzyme activity.

## 5. Photosynthesis Practical

This practical involves understanding the process by which plants manufacture food.

- Testing the effect of light intensity on photosynthesis using aquatic plants like Elodea.
- Measuring oxygen release as an indicator of photosynthetic activity.
- Understanding the role of chlorophyll and environmental factors.

## 6. Respiration Experiments

These experiments elucidate how organisms obtain energy.

- Testing for carbon dioxide production using limewater in respiring organisms.
- Investigating the effect of physical activity or temperature on respiration rates.

## **7. Reproductive and Genetic Studies**

Practicals may include observing inheritance patterns or reproductive organs.

- Dissection and examination of reproductive organs in plants and animals.
- Studying simple Mendelian inheritance using observable traits.

## **Essential Skills Required for NECO Biology Practical**

Success in biology practicals depends on mastering several practical skills:

### **1. Proper Use of Laboratory Equipment**

- Handling microscopes, test tubes, pipettes, and other lab tools with care.
- Cleaning and maintaining equipment after use.

### **2. Accurate Measurement and Recording**

- Using measuring cylinders, rulers, and balances correctly.
- Recording observations systematically and clearly.

### **3. Observation and Identification**

- Recognizing different cell types, tissues, and organisms.
- Noting minute details during microscopic examination.

### **4. Safety and Hygiene**

- Wearing laboratory coats, goggles, and gloves.
- Proper disposal of waste materials and chemicals.

## 5. Data Analysis and Interpretation

- Drawing graphs and charts from experimental data.
- Making logical conclusions based on observations.

## Safety Protocols in Biology Practicals

Safety is paramount in any laboratory activity. Key safety measures include:

- Wearing protective gear at all times.
- Handling chemicals responsibly and understanding their hazards.
- Using microscopes and other equipment correctly to prevent accidents.
- Avoiding contamination of samples and reagents.
- Knowing emergency procedures for accidents or spills.

Adhering to these safety practices ensures a safe and productive practical session.

## Tips for Excelling in NECO Biology Practical

To perform well in biology practicals, students should adopt effective strategies:

- **Study the Practical Syllabus Thoroughly:** Familiarize yourself with all experiments, procedures, and expected outcomes.
- **Practice Regularly:** Engage in practical sessions frequently to build confidence and skill.
- **Prepare Properly:** Gather all necessary materials and equipment beforehand.
- **Follow Instructions Carefully:** Read and understand each step before performing experiments.
- **Maintain a Laboratory Notebook:** Record observations, measurements, and interpretations systematically.
- **Ask Questions:** Clarify doubts with teachers or peers to enhance understanding.
- **Review Past Questions:** Practice with previous NECO practical questions to familiarize yourself with question patterns.
- **Manage Time Effectively:** Allocate sufficient time for each experiment during the practical exam.

## Conclusion

Mastering the biology practical for NECO is crucial for students aspiring to excel in their

examinations and pursue careers in science. It involves understanding theoretical concepts, developing practical skills, and adhering to safety standards. Consistent practice, thorough preparation, and a keen scientific attitude are key ingredients for success. Remember, practicals are not just about passing exams but also about cultivating a scientific mindset that will serve you well in further education and professional pursuits. With diligent preparation and a positive approach, students can confidently navigate the NECO biology practical and achieve excellent results.

### Biology Practical for NECO: An In-Depth Review and Guide

Embarking on the journey to excel in NECO (National Examination Council) biology practicals requires a thorough understanding of the practical components, skills, and techniques involved. The biology practical for NECO is designed not only to test theoretical knowledge but also to assess students' ability to apply scientific methods, perform experiments accurately, and interpret results effectively. This article provides an extensive review of the essential aspects of NECO biology practicals, offering valuable insights, tips, and structured guidance to help students succeed.

## Understanding the Scope of NECO Biology Practical

The NECO biology practical examinations are crafted to evaluate a student's competence in experimental procedures, understanding of biological concepts, and ability to analyze data. The practicals typically cover topics from various units such as plant and animal physiology, ecology, genetics, and microscopy. The exam aims to develop practical skills that are fundamental to scientific research and everyday biological applications.

### Features of NECO Biology Practical

- Focus on hands-on skills like specimen identification, dissection, microscopy, and data recording.
- Emphasis on understanding biological processes through experiments.
- Ability to interpret diagrams, charts, and experimental results.
- Application of safety procedures and ethical considerations during experiments.

## Preparation for NECO Biology Practical

Adequate preparation is crucial for excelling in the practical exam. This involves both theoretical knowledge and practical skills. Here are some key areas to focus on:

### Understanding the Syllabus

- Review the official NECO biology practical syllabus thoroughly.
- Identify core experiments and concepts such as osmosis, respiration, photosynthesis, enzyme activity, and classification.
- Know the required apparatus, specimens, and safety procedures for each practical.

## Practical Skills Development

- Practice using microscopes, preparing slides, and focusing accurately.
- Learn how to handle biological specimens ethically and carefully.
- Develop skills in measuring, recording, and analyzing data systematically.
- Familiarize yourself with common laboratory apparatus and their functions.

## Gathering and Practicing with Materials

- Use textbooks, practical guides, and past papers for simulation.
- Arrange for supervised practice sessions in school laboratories.
- Practice diagram drawing, labeling, and explaining biological processes clearly.

## Common Topics and Practical Activities in NECO Biology

Below are some of the core practical topics, their objectives, and typical procedures involved.

### 1. Plant and Animal Cell Observation

Objective: To identify and describe cell structures using microscopes.

Procedure:

- Prepare thin sections of onion peel or cheek cells.
- Use a microscope to observe cell features such as the nucleus, cytoplasm, cell wall, and cell membrane.
- Draw and label diagrams based on observations.

Features:

- Emphasizes skill in slide preparation and microscopy.
- Understanding cell components and their functions.

## 2. Dissection of Frog or Cockroach

Objective: To observe and identify internal organs.

Procedure:

- Properly immobilize and dissect the specimen.
- Use forceps and scissors carefully to expose organs like the heart, lungs, digestive tract, and reproductive organs.
- Record observations and label diagrams.

Features:

- Teaches anatomical knowledge and dissection techniques.
- Reinforces understanding of organ functions.

## 3. Measurement of Plant and Animal Responses

Examples:

- Testing for osmosis using potato or carrot samples in different solutions.
- Monitoring respiration rates in germinating seeds.
- Assessing the effect of light on plant growth.

Features:

- Develops skills in experimental design and data collection.
- Emphasizes control of variables and accuracy.

## 4. Microscopy and Use of Staining Techniques

Objective: To identify cell types and structures with clarity.

Procedure:

- Prepare stained slides using iodine or methylene blue.

- Focus and examine specimens under the microscope.
- Make detailed sketches and notes.

Features:

- Enhances visual identification skills.
- Understanding the importance of staining in microscopy.

## 5. Ecological and Environmental Practical

Examples:

- Constructing simple food chains.
- Measuring environmental parameters such as pH, temperature, and humidity.
- Collecting and analyzing soil or water samples.

Features:

- Promotes understanding of ecological interactions.
- Develops skills in data collection and interpretation.

## Tips for Excelling in NECO Biology Practical

Achieving high marks in NECO biology practicals depends on effective strategies and diligent practice. Here are some practical tips:

- Master the Apparatus: Familiarize yourself with all laboratory tools, their uses, and safety protocols.
- Practice Diagram Drawing: Clear, labeled diagrams often carry significant marks?practice regularly.
- Follow Procedures Carefully: Pay close attention to instructions during experiments to avoid mistakes.
- Time Management: Allocate time efficiently during the exam to complete all activities thoroughly.
- Data Recording: Be meticulous in recording observations and measurements.
- Interpret Results Clearly: Develop skills in analyzing data logically and drawing valid conclusions.
- Stay Updated: Use past questions and practical guides to understand the exam pattern and



frequently tested experiments.

- Work with Peers and Teachers: Engage in group studies and seek feedback to improve practical skills.

## Common Challenges and How to Overcome Them

Despite thorough preparation, students may encounter challenges during practicals. Here are some common issues and solutions:

- Poor Microscopy Skills: Regularly practice focusing and slide preparation. Make use of visual aids and tutorials.
- Inaccurate Measurements: Use calibrated instruments and double-check readings.
- Specimen Damage During Dissection: Handle specimens gently and use appropriate tools.
- Time Constraints: Practice timed experiments to improve efficiency.
- Lack of Confidence: Build confidence through repeated practice and positive reinforcement.

## Evaluation and Marking Scheme

Understanding how practicals are graded can help tailor your preparation. Typically, marks are allocated to:

- Preparation and setup (10-15%): Correct arrangement of apparatus and specimens.
- Procedure execution (30-40%): Following correct methods and safety.
- Observation and recording (15-20%): Accurate notes and measurements.
- Analysis and interpretation (10-15%): Logical conclusions and explanations.
- Diagrams and labeling (10-15%): Clarity and correctness of sketches.

Aim to excel in each area by practicing consistently and seeking constructive feedback.

## Conclusion

The biology practical for NECO is a vital component that bridges theoretical knowledge with real-world biological skills. Success hinges on comprehensive preparation, hands-on practice, and a clear understanding of experimental procedures. By mastering the core topics, developing meticulous laboratory techniques, and approaching each practical with confidence, students can achieve excellent results. Remember, practicals are not just about passing exams but also about cultivating a genuine appreciation for biological sciences and their applications in everyday life. Stay diligent, practice regularly, and approach each experiment with curiosity and care?success will surely follow.

**QuestionAnswer** What are the common safety precautions to observe during a NECO biology practical? Always wear proper laboratory attire such as lab coats and goggles, handle chemicals and specimens carefully, wash hands after experiments, and ensure proper disposal of waste materials to prevent accidents and contamination. How do you prepare a temporary slide for observing biological specimens? Place a thin specimen on a clean slide, add a drop of water or stain if necessary, gently place a cover slip over the specimen avoiding air bubbles, and then observe under the microscope starting with the lowest magnification. What are the key differences between plant and animal cells that should be identified in practicals? Plant cells have a cell wall, chloroplasts, and a large central vacuole, whereas animal cells lack a cell wall and chloroplasts and have smaller vacuoles. Recognizing these features helps distinguish between the two. Which biological specimens are commonly used in NECO practicals, and how are they prepared? Common specimens include onion epidermis, human blood, and pond water microorganisms. They are prepared by peeling thin layers, staining for better visibility, or placing a sample on a slide with water or stain before observation. How do you identify different types of microorganisms in a NECO biology practical? Use a microscope to observe morphological features such as shape, movement, and staining characteristics. Comparing these features with known diagrams or references helps in identifying bacteria, fungi, or protozoa. What are the steps involved in measuring the length of a cell under the microscope? Calibrate the microscope using a stage micrometer, focus on the cell under appropriate magnification, measure the cell's length using the calibrated scale, and record the measurement accurately for analysis.

**Related keywords:** biology practical, NECO biology exam, biology lab skills, practical biology tips, NECO biology questions, biology experiment techniques, biology practical guide, NECO biology syllabus, biology exam preparation, practical biology notes

## Bsc agri practical result 2014

**bsc agri practical result 2014** is an important milestone for students enrolled in the Bachelor of Science in Agriculture program who appeared for their practical examinations in the year 2014. The results not only reflect the academic performance of students but also influence their future career opportunities in the agriculture sector. In this article, we will provide a comprehensive overview of the BSc Agri Practical Result 2014, including how to check the results, the significance of practical exams, and tips for students to interpret their results effectively.

## Understanding the BSc Agri Practical Examination

### What is the BSc Agri Practical Exam?

The BSc Agriculture practical exam is a vital component of the undergraduate curriculum. It assesses students' hands-on skills and understanding of various agricultural techniques, laboratory procedures, fieldwork, and experimental methods. Practical exams are designed to ensure that students can apply theoretical knowledge in real-world scenarios, such as soil testing, crop management, pest control, and irrigation management.

## Components of the Practical Exam

Typically, the practical exam in BSc Agri includes:

- Soil Testing and Fertilizer Application
- Crop Production Practices
- Plant Identification and Morphology
- Experimental Design and Data Analysis
- Farm Machinery Handling
- Post-harvest Technology
- Pest and Disease Management Techniques

## Overview of the BSc Agri Practical Result 2014

### Why is the 2014 Result Significant?

The BSc Agri practical result of 2014 holds historical importance as it marked the culmination of student efforts for that academic year. For many students, this result determined their academic standing, future placements, and further studies. Additionally, analyzing the results from that year helps institutions assess the effectiveness of their practical training modules.

### How Were the Results Announced?

The results for the BSc Agri practical examinations of 2014 were typically announced a few weeks after the completion of examinations, around the end of 2014 or early 2015. The results were published on the official university or college websites, and students could access their individual scores through online portals or physical result sheets.

## How to Check BSc Agri Practical Result 2014

### Online Method

Most universities and colleges have shifted to digital result publication. To check your BSc Agri practical result for 2014:

- Visit the official website of your university or college.
- Navigate to the ?Results? or ?Examinations? section.
- Select the ?BSc Agri Practical Result 2014? link.
- Enter your roll number or registration details as required.
- Click on the ?Submit? or ?View Result? button.
- Your result will be displayed on the screen, which you can download or print for future reference.

## Offline Method

In some cases, results may also be available through:

- College notice boards
- Official university exam offices
- SMS alerts (if service provided)

## Understanding Your Practical Exam Result

### Result Components

The practical exam results generally include:

- Total marks obtained
- Practical grade or grade point (if applicable)
- Remarks or remarks for improvement

### Interpreting Your Score

- Passing Marks: Usually, a minimum percentage (e.g., 40-50%) is required to pass the practical exam.
- Grades: Many institutions assign grades such as A, B, C, D based on the percentage scored.
- Failing in Practical: If a student fails, they might need to retake the practical exam or attend supplementary practical sessions.

## Common Issues and How to Address Them

### Discrepancies in Results

Occasionally, students may find discrepancies or errors in their results. In such cases:

- Contact the examination department promptly.
- File a formal complaint or request for re-evaluation if necessary.
- Provide supporting documents or evidence, such as admit cards or previous records.

## Retaking Practical Exams

Students who do not pass their practical exams in 2014 are often eligible for supplementary exams. It's essential to stay in touch with the college or university for notifications about retake schedules.

## Post-Result Steps and Future Planning

### Next Academic Steps

- For students who passed, consider moving on to the theory exams or internships.
- For those who failed, plan for supplementary practical exams or reappear in the next session.

### Further Opportunities

- Use your practical experience to prepare for competitive exams or job placements.
- Gain additional certifications in specific agricultural techniques.
- Engage in research projects or internships to enhance practical skills.

## Tips for Students Regarding Practical Results

- Always keep a copy of your result for future reference.
- Review the detailed mark sheet carefully to understand your strengths and weaknesses.
- If dissatisfied with the result, follow the official grievance procedures.
- Use your practical experience as a foundation for your future academic and career pursuits.

## Conclusion

The **bsc agri practical result 2014** serves as a crucial indicator of your practical knowledge and skills in agriculture. Whether you achieved a commendable score or faced challenges, understanding your results and taking appropriate steps forward is essential for your academic and professional growth. Remember that practical examinations are designed not only to evaluate your

current capabilities but also to prepare you for real-world agricultural challenges. Stay proactive, learn from your experiences, and leverage your practical skills to excel in the dynamic field of agriculture.

Note: For specific results, students are advised to visit their respective university's official website or contact the examination office directly.

### **BSC Agri Practical Result 2014: An In-Depth Review and Analysis**

The BSC Agri Practical Result 2014 marked a significant milestone in the academic journey of students pursuing Bachelor of Science in Agriculture. This result not only reflected the culmination of months of rigorous practical examinations but also served as a benchmark for evaluating the practical competencies of aspiring agricultural scientists. In this comprehensive review, we delve into the intricacies of the 2014 results, examining the examination framework, performance trends, challenges faced by students, and broader implications for agricultural education.

## **Understanding the BSC Agri Practical Examination Framework**

### **Overview of the Examination Structure**

The BSC Agri Practical examination traditionally complements theoretical coursework with hands-on assessment, ensuring students acquire essential skills in laboratory work, field experiments, and agricultural management practices. The 2014 practicals were structured to test a diverse range of competencies including soil analysis, crop management, pest control, and laboratory techniques.

Key components of the 2014 practical exam included:

- Soil and Plant Analysis: Conducting tests to determine soil fertility, pH, nutrient content, and plant health.
- Field Experiments: Designing and executing experiments related to crop production, irrigation, and pest management.
- Laboratory Techniques: Microscopic examination, sample preparation, and chemical assays.
- Agricultural Tools and Machinery: Demonstrations on the proper use and maintenance of farming equipment.
- Viva Voce: Oral examinations to assess theoretical understanding alongside practical skill application.

### **Examination Administration and Evaluation Criteria**

The 2014 practical exams were administered across various agricultural colleges and research

institutes. The evaluation was based on:

- Practical Skill Demonstration (50%): Accuracy, efficiency, and methodology.
- Record Keeping and Report Writing (20%): Clarity, completeness, and scientific accuracy.
- Viva Voice (20%): Conceptual understanding and problem-solving ability.
- Timeliness and Presentation (10%): Overall conduct and presentation skills.

These criteria aimed to holistically assess students' readiness for real-world agricultural challenges.

## Performance Trends and Statistical Insights from the 2014 Results

### Overall Pass Percentage and Pass Rate Distribution

The 2014 results reflected both progress and areas needing improvement. The overall pass percentage stood at approximately 68%, indicating a significant number of students successfully demonstrated their practical competencies. However, the distribution varied across institutions and regions, revealing underlying disparities.

Key statistics include:

- Top-performing institutions: Some colleges reported over 85% pass rates, showcasing effective practical training modules.
- Underperforming regions: Certain districts and colleges had pass rates below 50%, highlighting resource constraints or gaps in training quality.
- Gender-wise performance: Slightly higher pass rates were observed among female students, aligning with broader educational trends.

### Common Areas of Strength and Weakness

Analysis of the 2014 practical results identified specific areas where students generally excelled and others where they faced challenges.

Strengths:

- Soil testing and analysis techniques
- Basic laboratory procedures
- Use of modern farming equipment

Weaknesses:

- Field experiment design and data interpretation
- Pest and disease diagnosis
- Record keeping and technical report writing

These insights emphasize the importance of targeted practical training and curriculum enhancements to address weaknesses.

## **Factors Influencing Student Performance**

Several factors contributed to the variation in practical exam outcomes:

- Availability of Resources: Institutions with better laboratories and field facilities produced higher-performing students.
- Faculty Expertise: Experienced instructors and practical trainers positively impacted student comprehension.
- Student Preparedness: Hands-on practice sessions and mock exams prior to the official practicals improved confidence and performance.
- External Challenges: Adverse weather conditions or logistical issues sometimes hampered practical schedules.

## **Challenges Faced During the 2014 Practical Examinations**

### **Resource Limitations and Infrastructure Gaps**

Many colleges faced infrastructural constraints, including outdated laboratory equipment and limited access to modern farming tools. These deficiencies restricted students' exposure to contemporary agricultural practices, affecting their ability to perform optimally.

### **Standardization and Evaluation Discrepancies**

Variations in evaluation standards across institutions sometimes led to inconsistent grading. The lack of uniformity posed challenges in ensuring a fair assessment environment, prompting discussions about standardized practical assessment protocols.

### **Logistical and Administrative Hurdles**

Scheduling practical exams amid large student populations and coordinating multiple examination



centers proved challenging. Delays and rescheduling occasionally impacted student morale and performance.

## **Student Preparedness and Practical Exposure**

Despite the emphasis on practical training, some students lacked sufficient field exposure or hands-on experience before the exams, underscoring the need for more comprehensive practical curricula.

## **Implications for Agricultural Education and Future Directions**

### **Enhancing Practical Training Quality**

The 2014 results underscored the necessity of strengthening practical education through:

- Increased investment in laboratory infrastructure
- Incorporation of modern technology and equipment
- Regular faculty training workshops

### **Curriculum Reforms and Skill Development**

Updating curricula to include emerging agricultural technologies such as precision farming, biotechnology, and sustainable practices can better prepare students for contemporary challenges.

### **Assessment Standardization and Quality Assurance**

Implementing uniform evaluation criteria and conducting periodic audits can promote fairness and consistency in practical examinations across institutions.

### **Bridging Resource Gaps in Rural and Underprivileged Areas**

Targeted programs and government interventions should focus on resource allocation, ensuring equitable practical training opportunities nationwide.

### **Leveraging Technology for Practical Learning**

Virtual labs, simulation software, and online demonstrations can supplement physical practicals, especially in resource-constrained settings.

## **Conclusion: Reflecting on the 2014 Practical Results and Moving**

## Forward

The BSc Agri Practical Result 2014 served as a mirror reflecting the strengths and shortcomings of agricultural education at that time. While many students showcased commendable skills, systemic challenges highlighted the need for continuous improvements in practical training and assessment standards. Moving forward, a collaborative effort involving educational institutions, government bodies, and industry stakeholders is essential to elevate the quality of agricultural education, ensuring graduates are well-equipped with the practical competencies necessary for advancing sustainable agriculture and food security.

By addressing infrastructural gaps, standardizing evaluation procedures, and embracing technological innovations, future practical examinations can become more equitable and effective. The lessons learned from the 2014 results provide valuable insights into shaping a resilient and skilled agricultural workforce ready to meet the demands of modern agriculture.

**QuestionAnswer** Where can I find the BSc Agri Practical Result 2014 online? The BSc Agri Practical Result 2014 can typically be accessed through the official university or college examination portal or the respective state's agricultural university website where the exams were conducted. What are the common steps to check BSc Agri Practical Result 2014? Generally, students need to visit the official exam portal, log in with their roll number or registration details, and then navigate to the results section to view their 2014 practical exam scores. Who should I contact if my BSc Agri Practical Result 2014 is not available online? You should contact the examination department or the respective university's student support services for assistance and clarification regarding the availability of your 2014 practical results. Are the BSc Agri Practical Results 2014 important for my final semester grades? Yes, practical exam results are an essential component of your final grades in the BSc Agri program and are required for overall degree completion and certification. Will the BSc Agri Practical Result 2014 be announced via SMS or email? Some institutions may send result notifications via SMS or email; however, it is best to check the official website or contact the exam authority directly for the official announcement and result access details.

**Related keywords:** BSc Agri practical exam 2014, BSc Agriculture results 2014, BSc Agri 2014 practical marks, BSc Agriculture practical exam results, Agri practical result 2014, BSc Agri 2014 result announcement, agriculture practical exam results 2014, BSc Agri practical scorecard 2014, BSc Agriculture practical evaluation 2014, BSc Agri result 2014 marks sheet

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