

# LIFE SCIENCES GRADE 11

## Practical Task Term 1 2024: Micro-organisms

### MARKING GUIDELINE

#### Part 1: Practical investigation: Hands-on

<b>Total</b>	
	<b>30</b>

Table  
:

<b>Criteria</b>	<b>Marks</b>
Drawn table (T)	1 mark
Column/row headings (days, bread condition) (H)	1 mark
Correctly captured data for three different conditions (D)	3 marks

(5)

#### PART 2:

#### QUESTION 1

1.1 The warm ✓ room. (1)

1.2 Mould grows better/faster ✓ in warmer temperatures ✓

OR

Mould grows slower/doesn't grow ✓ in colder temperatures ✓ (2)

1.3 (a) Growth of bread mould ✓ (1)  
(b) Temperature ✓ (1)

1.4 

- Gloves,
- masks,
- sealed bags that are not opened,
- sealed bags are thrown away at the end

 Any (2)

1.5 Same: 

- size (thickness) of bread slice ✓
- type of bread ✓
- type of container/transparent bag
- grid to measure each bag.

 Any (3)

1.6 Repeat the experiment ✓  
Increase the number of pieces/slices of bread ✓ (2)  
(17)

# Grade 11 Practical Examination 2014 Memorandum

**D Siedentop**



## **Grade 11 Practical Examination 2014 Memorandum:**

The European Union in the 21st Century Nikolaos Zahariadis, 2023-08-24 The European Union in the 21st Century takes a fresh look at a complex and ever changing organization by examining its pursuit of two very different objectives power security and political weight and plenty economic growth and social welfare Nikolaos Zahariadis aims to help students understand these two objectives and how the tension between them affects different issue areas illuminating how each objective represents a different perspective on what the EU is and what it does The book also introduces students to the systematic thinking that political scientists employ to see the connections between policies institutions and actors By unpacking the various perspectives students will gain greater insight into how policymakers think and why EU leaders make the kinds of decisions they do

**The 1970 UNESCO and 1995 UNIDROIT Conventions on Stolen Or Illegally Transferred Cultural Property** Ana Filipa Vrdoljak, Andrzej Jakubowski, Alessandro Chechi, 2024 Authored by leading scholars and practitioners from around the world this Commentary is the first to offer an article by article commentary on the two leading multilateral treaties on movable cultural heritage in one volume The 1970 UNESCO Convention on the Means of Prohibiting and Preventing the Illicit Import Export and Transfer of Ownership of Cultural Property and the 1995 UNIDROIT Convention on Stolen or Illegally Exported Cultural Objects

**Blast Injury Science and Engineering** Anthony M. J. Bull, Jon Clasper, Peter F. Mahoney, 2016-03-21 This book aims to help clinicians who seek to conduct science and engineering based research on blast injuries as well as engineers and scientists who seek to apply their expertise to address blast injuries Blast injuries are prevalent While the current conflict in Afghanistan is reaching its final stages the legacy of landmines will sadly ensure that injuries and fatalities will continue to occur The understanding of these injuries and the science behind their mitigation and treatment is a multi disciplinary effort Current knowledge has rapidly grown due to recent conflicts yet the learning has not yet been captured in any formal way

**Third Symposium Proceedings. New Ways of Teaching and Learning** Janina Morska, Alan Rogerson, This volume contains the papers presented at the Third International Symposium on New Ways of Teaching Learning held from August 6 10 2024 at the Aemilia Hotel Bologna Italy The Conference was organized by The Mathematics Education for the Future Project an international educational project founded in 1986 and dedicated to innovation in mathematics statistics science and computer education world wide

*Elgin Dairy Report*, 1907 **Public Private Partnership Dynamics for Economic Development** Baporikar, Neeta, 2025-04-02 Public private partnerships PPPs have emerged as a mechanism for economic development by harnessing the strengths of both the public and private sectors In this changing global economy PPPs offer new solutions to address infrastructure deficits improve service delivery and stimulate investment These partnerships combine the efficiency expertise and capital of the private sector with the public sector's ability to regulate ensure inclusivity and achieve long term sustainability By aligning the interests of both parties PPPs create a platform to address complex economic challenges while promoting growth and

social well being Understanding the underlying dynamics of these partnerships is essential for maximizing their potential and ensuring they contribute to economic development goals Public Private Partnership Dynamics for Economic Development examines how governments can enable and encourage PPPs investigating the existing and fast developing body of principles and practices It provides a step by step analysis of the development of PPP projects and explains financing contractual structures and risk allocation This book covers topics such as developing countries crowdsourcing and local economies and is a useful resource for policymakers business owners educators academicians researchers and scientists The Athenaeum ,1914 Yearbook of International Organizations 2014-2015 (Volume 3) Union Of International Associations,Union of International Associations,2014-08-20 The Yearbook of International Organizations provides the most extensive coverage of non profit international organizations currently available Detailed profiles of international non governmental and intergovernmental organizations IGO collected and documented by the Union of International Associations can be found here In addition to the history aims and activities of international organizations with their events publications and contact details the volumes of the Yearbook include networks between associations biographies of key people involved and extensive statistical data Volume 3 allows readers to locate organizations by subjects or by fields of activity and specialization and includes an index to Volumes 1 through 3 *Scientific and Technical Aerospace Reports* ,1983 Forest and Stream ,1883 *Bulletin of the Atomic Scientists* ,1995-09 **Canadian Journal of Fisheries and Aquatic Sciences** ,2014 **Popular Mechanics Magazine** ,1951 **A.S.M. Review of Metal Literature** American Society for Metals,1967 **Editor & Publisher** ,1934 The fourth estate **Memorandum Re Oral and Practical Examinations** Royal New Zealand Institute of Horticulture,1947\*

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