Life Science

Grade 12

PAPER 1





Time: 2 % HOURS

Mark: 150

INSTRUCTIONS AND INFORMATION

Read the following instruction carefully before answering the questions.

- Answer ALL questions.
- Write ALL the answers on the provided FOLIO PAPER.
- RISE OFF after each question.
- Start each section on a MERI page.
- Number the answers correctly according to the numbering system used in this question paper.
- Present your answers according to the instructions for each question.
- Do ALL drawings in pencil and label them in blue pen.
- Draw diagrams or flow charts only when asked to do so.
- The diagrams in this question paper are NOT all drawn to scale.
- 10. You may use a non-programmable calculator, protractor, and compans.
- 11. You may NOT use graph paper.
- 12: Write nearly and legibly.

EXAM AGREEMENT	
 (Name & Sumane); Grade	

hereby acknowledge that I will abide by all examination rules stipulated below during the writing of my LIFE SCIENCE exam.

PULES:

- I will not have any electronic equipment in my possession (cell phones, unant waither and earthones).
- 2. I will not cause any disruption during this exam in the exam venue.
- 3. If will be honest at all times.

All rules, as discussed with me, will be honoured and obeyed.

Learner, Signature

SECTION A

Question 1

- 1.1 Various options are provided as possible answers to the following questions. Choose the correct answer and write only the letter (A to D) next to the question number (1.1.1 to 1.1.10) on the FOLIO PAPER, for example 1.1.6 E.
- 1.1.1 Hollow, pear-shaped organ.
 - A. Vagina
 - Uterus
 - C. Fallopian tubes
 - D. Placenta
- 1.1.2 Choose the letter that does not explain the process of oogenesis.
 - A The diploid germinal epithelium cells of the ovaries go through the process of mitosis to form many folicies.
 - B Every 21 days, the folicle stimulating hormone (FSH) stimulates one folicle. Only one cell inside of that folicle enlarges and goes through the process of melosis.
 - C Out of the 4 haploid cells produced through melosis, only one cell will survive to form a mature ovum.
 - The other three cells from meiosis will degenerate.
- 1.1.3 Before copulation the male sperm is stored temporarily in the...
 - A seminal vesicles
 - B. scrotum
 - C. prostate pland
 - D. epididymis
- 1.1.4 Structure that receives a stimulus and converts it into an impulse
 - A autonomic nervous system
 - effector
 - C. stimulus
 - D. receptor

THE BUILDINGS.

Memorandum For Paper 1 September 2012

TD Snyder

Memorandum For Paper 1 September 2012:

The Gambia International Monetary Fund. African Dept., 2013-05-28 The Gambian economy is still recovering from the severe drought and crop failure Depreciation pressure on the Dalasi has largely been driven by weaknesses in the balance of payments and uncertainty about exchange rate policy Executive Directors have urged the government to curb domestic borrowing and to sustain the fiscal adjustment needed to reduce the high cost and risks of domestic debt They have also commended the progress achieved toward eliminating fiscal dominance and encourage implementing a restrained monetary Analysing the Role of Energy Security in Promoting Third World Development John Alobwede Ngome, Every scholar who reads this book will concur that at the heart of John s analysis is rooted a fundamental question and preoccupation that although Cameroon is naturally endowed with abundant and diverse energy resources the country however remains an energy poor state due to the absence of a durable Energy Security Plan political vision and political will all of which continue to hamper the development of a range of renewables alongside various fossil fuels to improve and guarantee durable Energy Security to catalyze development and reverse the current energy crisis Prof Dr Amelia Hadfield Head of Department of Politics University of Surrey United Kingdom Boston Harbor Massachusetts Deep Draft Navigation Improvement Project ,2014 Europe's Radical Left Luke March, Daniel Keith, 2016-10-20 Although the most pernicious consequences of the crisis have apparently abated the long term political repercussions remain unclear Whereas most attention has focused on the right wing populist parties the rejuvenation of the left is an unwritten story of post crisis politics This volume addresses this story with three principal aims to examine the radical left intellectual response to the crisis i e how actors conceptualise the causes of crisis and its consequences to examine the radical left electoral response to the crisis i e how the crisis has aided or weakened the electoral success of radical left parties and movements to examine organisational responses i e whether the crisis has resulted in new party structures methods of organising and internal party tendencies The result is a comprehensive compendium drawing on cutting edge research from leading European experts to present the first comparative analysis of how the far left of the political spectrum has responded to the crisis It furthers our understanding both of the dynamics of European party systems and the wider consequences of the Great Recession

Guinea International Monetary Fund. African Dept.,2013-07-03 This paper discusses Guinea s Second Review Under the Three Year Arrangement under the Extended Credit Facility Requests for Modifications of Performance Criteria and Waiver of Nonobservance of Performance Criterion and Financing Assurances Growth is projected at 4.5 percent for 2013 slightly lower than envisaged because of lower growth in the mining sector The programs inflation target has been revised upward slightly mainly reflecting the higher than programmed outcome at end 2012 together with some modest impact from an agreement on increases in civil service wages Key risks include continued political unrest in the run up to elections which could affect growth investment and reform momentum and a rebound in inflation if the private sector follows the increase in

civil service wages Memorandum on Currency, 1913-1923 League of Nations, 1924 Austerity Ireland Kieran Allen, Brian O'Boyle, 2013-09-05 Ireland has been marketed as the poster boy of EU austerity EU elites and neoliberal commentators claim that the country's ability to suffer economic pain will attract investors and generate a recovery In Austerity Ireland Kieran Allen challenges this official image and argues that the Irish state s response to the crash is typical of the Eurozone countries serving to protect the economic privilege of the powerful to the detriment of the middle and working classes Looking at the various ways we could consider this austerity period a failure including transforming Ireland into a tax haven and contributing to serious levels of unemployment Allen reveals the extent of Ireland's current socio economic and political malaise suggesting that it may have created furtile ground for a leftist resurgence Stationery Office Annual Catalogue Stationery Office (Great Britain), 2013 Minerals Yearbook 2012 Department of Interior, 2016-12-15 This volume covering metals and minerals contains chapters on approximately 90 commodities In addition this volume has chapters on mining and quarrying trends and on statistical surveying methods used by Minerals Information plus a statistical summary Staff and contractors working for mining companies companies that use export import certain minerals and metals geologists and members of the general public interested in the properties and federal rules governing the definitions and extraction use of minerals and metals Additionally economists and commodity investors or financial planners may be interested in this volume Related products Minerals and Metals collection can be found here https bookstore gpo gov catalog science technology minerals metals Mining Drilling resources collection is available here https bookstore gpo gov catalog science technology mining drilling Other printed volumes in the Mineral Yearbook series can be found here https bookstore gpo gov catalog science technology minerals metals minerals yearbook Meeting of the ASEAN Ministers on Agriculture and Forestry ,2012 Maine Revised Statutes Annotated, 1964 Maine, 1964 Naval War College Review ,2013 Maine Rules of Court, with Amendments ,2014 Nnamdi Azikiwe Journal of Political Science, 2014 **European Futures** Attila Ágh, László Vass, 2013 Report to the President Pro Tempore Regarding Oversight of the California Military Dept California. Legislature. Senate. Committee on Veterans Affairs, 2013 The Veterans Affairs Committee's oversight of the California Military Department during the past year was focused in specified areas the Department's organizational culture Sexual Assault and Prevention Response Program SAPR alleged misuse of SAPR funds equal opportunity EO equal employment opportunity EEO state active duty program resolution of individual complaints and going forward Summary p 1 2 2nd group Report India. Ministry of External Affairs, 2012 Food and Nutrition Bulletin, 2013 Hellenic Studies ,2014 **Annual Report** India. Ministry of External Affairs, 2012

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