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.

Memorandam Of Agricultural Science Final Examination 2014 Paper 1

Pushpendra K. karhana

Memorandam Of Agricultural Science Final Examination 2014 Paper 1:

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viewpoints and make up their own minds The first volume Food and the Environment addresses timely issues such as climate change food waste pesticides and sustainable foods Volume two entitled Food and Health and Nutrition addresses subjects like antibiotics food labeling and the effects of salt and sugar on our health The third volume Food and the Economy tackles topics such as food advertising and marketing food corporations genetically modified foods globalization and megagrocery chains Each volume contains several dozen primary documents that include firsthand accounts written by promoters and advertisers journalists politicians and government officials and supporters and critics of various views related to food and beverages representing speeches advertisements articles books portions of major laws and government documents to name a few These documents provide readers additional resources from which to form informed opinions on food issues Lost, Rivers Regained Martin Knoll, Uwe Lubken, Dieter Schott, 2017-06-13 Many cities across the globe are rediscovering their rivers After decades or even centuries of environmental decline and cultural neglect waterfronts have been vamped up and become focal points of urban life again hidden and covered streams have been daylighted while restoration projects have returned urban rivers in many places to a supposedly more natural state This volume traces the complex and winding history of how cities have appropriated lost and regained their rivers But rather than telling a linear story of progress the chapters of this book highlight the ambivalence of these developments The four sections in Rivers Lost Rivers Regained discuss how cities have gained control and exerted power over rivers and waterways far upstream and downstream how rivers and floodplains in cityscapes have been transformed by urbanization and industrialization how urban rivers have been represented in cultural manifestations such as novels and songs and how more recent strategies work to redefine and recreate the place of the river within the urban setting At the nexus between environmental urban and water histories Rivers Lost Rivers Regained points out how the urban river relationship can serve as a prime vantage point to analyze fundamental issues of modern environmental attitudes and practices Cities, Climate Change, and Public Health Ella Jisun Kim, 2020-04-20 To date climate adaptation has mostly focused on protecting physical assets from potentially catastrophic climatic changes While the lack of human vulnerability and equity components in adaptation plans and policies has been critiqued by many this has not yet led to climate adaptation planning and policymaking processes that situates people s health and well being front and center This book examines how cities can use a public health frame of climate change to boost people s understanding of and concern about climate change and increase policy support for climate adaptation efforts at the local level In addition it aims to strengthen our understanding of different tools cities can use to operationalize a focus on the health implications of climate change enhance collective decision making capacities and ultimately build human resilience to climate change Agriculture Science a complete study package Pushpendra K. karhana, 2021-09-10 1 Master Guide Agriculture Science deals with the Agricultural Entrance exams 2 Covers various sections and makes a complete study package 3 Book is divided into 8 Units and total of 22 Chapters 4 Ample number of MCQs in each chapter 5

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