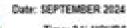
Life Science

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.

Essay Of Paperlife Science Grade12014

Mary Burnham

Essay Of Paperlife Science Grade12014:

Junior Graphic Mavis Kitcher (Mrs), 2014-06-25 Mind Mapping and Artificial Intelligence Jose Maria Guerrero, 2022-10-22 In the near future we will see an increase in the development and use of all sorts of AI applications Some of the more promising areas will be Finance Healthcare IoT Manufacturing Journalism and Cybersecurity Many of these applications generate a great amount of complex information Natural Language Understanding is one of the most clear examples Traditional ways of visualizing complex information namely linear text web pages and hyperlink based applications have serious productivity problems Users need a lot of time to visualize the information and have problems seeing the whole picture of the results Mind mapping is probably the only way of reducing the problems inherent in these traditional ways of visualizing complex information Most people have no clear idea about the advantages of mind mapping or the problems created by the traditional ways of visualizing complex information The goal of Mind Mapping and Artificial Intelligence is to provide readers with an introduction to mind mapping and artificial intelligence to the problems of using traditional ways of visualizing complex information and as an introduction to mind mapping automation and its integration into Artificial Intelligence applications such as NLU and others As more applications of Artificial Intelligence are developed in the near future the need for the improvement of the visualization of the information generated will increase exponentially Information overload will soon also happen in AI applications This will diminish the advantages of using AI Author Jos Maria Guerrero is a long time expert in mind mapping and visualization techniques In this book he also introduces readers to MindManager mind mapping software which can considerably reduce the problems associated with the interpretation of complex information generated by Artificial Intelligence software Provides coverage of the fundamentals of mind mapping and visualization applied to Artificial Intelligence applications Includes coverage of the scientific bases for mind mapping for the visualization of complex information Introduces MindManager software for mind mapping Introduces the author's MindManager toolkit for the readers to use in development of new mind mapping applications Includes case studies and real world applications of MindManager for AI applications including examples using IBM Watson NLU The Complete Book of Colleges, 2018 Edition Princeton Review, 2017-07 Includes information on admissions cost financial aid required and recommended admissions criteria cost breakdowns and types of financial aid for 1 355 colleges and universities **Cumulative Book Index** ,1925 A world list of books in the English language Cumulated Index to the Books ,1925-07 The United States Scientific and Technical Books and Serials in Print ,1984 Catalog Mary Burnham, 1927 The Foundation Grants Index ,1983 Whitaker's Books in Print ,1998

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