



## GRADE 11 LIFE SCIENCES MARCH TEST

### 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-D) next to the QUESTION NUMBER (1.1.1-1.1.5) on your answer sheet, for example 1.1.B. D.

1.1.1 Which of the following micro-organisms act as decomposers in ecosystems?

- (i) *Escherichia*
  - (ii) *Paramecium*
  - (iii) *Penicillium*
  - (iv) *Trichoderma*
- A (i) and (ii)  
B (ii) and (iv)  
C (i) and (iii)  
D (iii) and (iv)

1.1.2 Malaria is spread by:

- A *Plasmodium vivax* mosquito
- B *Salmonella*
- C *Cholera* bacterium
- D *Pinus* tree resin

1.1.3 Protists are unlike bacteria in that they...

- A have prokaryotic cells
- B are unicellular
- C are produced by binary fission
- D are autotrophic

1.1.4 Which statement best describes the relationship between a parasite and its host?

- A The parasite benefits, the host benefits
- B The host is harmed, the parasite benefits
- C Both host and parasite benefit
- D The parasite benefits, the host is harmed

1.1.5 The following statements about HIV are NOT true:

- (i) It can be passed to a child from its mother during pregnancy or at birth
  - (ii) It can be passed to a child from its mother during breastfeeding
  - (iii) It can be passed to a child from its mother during sexual intercourse
  - (iv) The early symptoms of HIV infection are the same as that of other diseases
- A (i) and (ii)  
B (ii) and (iv)  
C (i) only  
D (iii) and (iv)

[5x2=10]

1.2 Give the correct BIOLOGICAL TERM for each of the following descriptions. Write only the correct TERM next to the QUESTION NUMBER (1.2.1-1.2.4) on your answer sheet.

1.2.1 A bacterium which kills the human heart and liver.

1.2.2 A plant which does not produce seeds.

1.2.3 The production of new cells from existing cells by mitosis and meiosis.

1.2.4 Using living organisms to control harmful populations.

(4)

1.3 Indicate whether each of the statements in COLUMN I applies to **A ONLY**, **B ONLY**, **BOTH A and B** or **NONE** of the items in COLUMN II. Write **A ONLY**, **B ONLY**, **BOTH A and B** or **NONE** next to the QUESTION NUMBER (1.3.1-1.3.3).

| Column I                                                      | Column II                                |
|---------------------------------------------------------------|------------------------------------------|
| 1.3.1 Presence of a slime capsule and well-structured nucleus | <i>Penicillium</i><br><i>Trichoderma</i> |
| 1.3.2 A disease caused by fungi                               | <i>Trichoderma</i><br><i>Penicillium</i> |
| 1.3.3 Binary fission is the asexual production of...          | <i>Penicillium</i><br><i>Trichoderma</i> |

[3x2=6]

SECTION A: [20]

# Grade 11 Life Science Question Paper Term 1 For 2014

**Arturo Cuomo**



## **Grade 11 Life Science Question Paper Term 1 For 2014:**

*CTET Success Master Social Science/Studies Paper-2 for Class 6 to 8 2020* Arihant Experts,2020-01-02 Throughout the world teaching is looked at as one of the most respected and noble profession a person could have A great teacher not only shows the right path that a student should follow but also prepares the human resources for the further development of the nation Among various exams CTET is the most popular teaching exam in the country Central Teaching Eligibility Test CTET is a national level test conducted by CBSE twice a year to recruit the eligible candidates as teacher The exam is conducted into 2 papers Paper 1 for class 1 5 and Paper 2 for class 6 8 Any candidate who is interested to become a teacher for classes 6 to 8 then they have to appear for both the papers The new the edition of Study Guide Success Master CTET Social Science Studies Paper II has been prepared completely on the latest exam pattern The book has been divided into 5 key sections and further divided into chapters providing the focused study material After covering theoretical part this book also concentrates on the practice part it provides Previous Years Solved Paper 2 practice sets and more than 3000 MCQs for thorough practice Ample numbers of questions have been given which are covered in a Chapterwise manner that allows candidates to understand the trend of the questions as well as the exam This book will prove to be highly useful for the CTET Paper 2 exam as it will help in achieving the good rank in the exam

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*Principles of Neonatology E-Book* Akhil Maheshwari,2023-09-08 Written by leading global

experts in the field Principles of Neonatology provides those on the NICU team with clinically focused evidence based guidance in an easy to access format Chapters cover the key topics of greatest and most frequent concern to clinicians treating newborns delivering current data driven management and treatment advice in a single source relevant to the seasoned practitioner fellow or trainee A highly templated format makes it easy to find exactly the information you need Lavishly illustrated with photos radiographs drawings and charts and graphs that clarify key concepts in a helpful and accessible way Evidence based focus ensures that only the most reliable treatment protocols and clear cut data driven guidance are included Coverage of all relevant topics in the NICU skin lesions congenital anomalies architecture development of neonatal intensive care units pain control anesthesia for newborn infants and much more Ideal for every member of the NICU team neonatologists neonatology fellows residents and neonatal nurses as well as all other clinicians working in the NICU including PAs occupational therapists respiratory therapists and others

*Nature-based learning and development: Maximizing the returns on investment, volume II* Catherine Jordan, Andrea Faber Taylor, Nancy M. Wells, Ming Kuo, Ulrich Dettweiler, 2023-11-06

Molecular Microbiology David H. Persing, Fred C. Tenover, Randall T. Hayden, Margareta Ieven, Melissa B. Miller, Frederick S. Nolte, Yi-Wei Tang, Alex van Belkum, 2020-07-24 Presenting the latest molecular diagnostic techniques in one comprehensive volume The molecular diagnostics landscape has changed dramatically since the last edition of Molecular Microbiology Diagnostic Principles and Practice in 2011 With the spread of molecular testing and the development of new technologies and their opportunities laboratory professionals and physicians more than ever need a resource to help them navigate this rapidly evolving field Editors David Persing and Fred Tenover have brought together a team of experienced researchers and diagnosticians to update this third edition comprehensively to present the latest developments in molecular diagnostics in the support of clinical care and of basic and clinical research including next generation sequencing and whole genome analysis These updates are provided in an easy to read format and supported by a broad range of practical advice such as determining the appropriate type and quantity of a specimen releasing and concentrating the targets and eliminating inhibitors Molecular Microbiology Diagnostic Principles and Practice Presents the latest basic scientific theory underlying molecular diagnostics Offers tested and proven applications of molecular diagnostics for the diagnosis of infectious diseases including point of care testing Illustrates and summarizes key concepts and techniques with detailed figures and tables Discusses emerging technologies including the use of molecular typing methods for real time tracking of infectious outbreaks and antibiotic resistance Advises on the latest quality control and quality assurance measures Explores the increasing opportunities and capabilities of information technology Molecular Microbiology Diagnostic Principles and Practice is a textbook for molecular diagnostics courses that can also be used by anyone involved with diagnostic test selection and interpretation It is also a useful reference for laboratories and as a continuing education resource for physicians If you are looking for online access to the latest clinical microbiology content

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**The United States Army and Navy Journal and Gazette of the Regular and Volunteer Forces**, 1893 *Handbook on Intelligent Techniques in the Educational Process* Mirjana

Ivanović, Aleksandra Klačnjak-Milićević, Lakhmi C. Jain, 2022-06-15 Education has a substantial impact and influences on almost all sectors in modern society Different computer supported educational systems have been developing for many decades to support and make easier teaching and learning processes on all levels of education Influences of rapid development of Information Communication Technologies and other related disciplines on design and implementation of intelligent sophisticated educational systems are evident Nowadays intensive development and wide applications of Artificial Intelligent techniques significantly affect the development of intelligent tutoring systems smart learning environments that incorporate virtual and augmented reality and robots Artificial Intelligence has the potential to address some of the biggest challenges in education today but also in the future in order to establish innovative teaching and learning practices facilitated by powerful educational datamining and learning analytics This book presents a collection of 17 chapters that bring interesting aspects of the state of the art of application of intelligent techniques in different educational processes and settings We believe that the works presented in the book will be of great interest to readers and that will motivate them to try to enhance presented approaches and propose better and more advanced solutions The role of parent-child

interactions in developmental psychopathology: methodological and intervention challenges and opportunities Rebecca Pearson, Tamsen Jean Rochat, Bronwyne Coetzee, 2025-03-06 Parenting research has always faced substantial methodological challenges assumptions and stigma limiting understanding and translation to more family centred support In addition the focus of most research has focused on the early years with far less knowledge about the role of parents in pre adolescence adolescence and the transition to adulthood or beyond Parenting work lacks diversity with regards to inclusion across cultural settings and is usually limited to mothers the role of fathers grandparents adoptive and foster parents and step parents is under represented Current advancements in technology and data science as well as cross cohort collaboration enabling pooling of observed parent offspring interaction in larger numbers provides opportunities to bring together new understanding In addition enabling the voice of diverse parents with lived experience throughout the research process will enhance the meaning and interpretation of findings *Mosby's Fundamentals of Therapeutic Massage - E-Book* Sandy

Fritz, Luke Allen Fritz, 2024-05-28 Gain the knowledge and skills you need to succeed in massage therapy Mosby's Fundamentals of Therapeutic Massage 8th Edition helps you prepare for licensing and certification exams as well as professional practice The book provides an in depth understanding of the principles of therapeutic massage and helps you develop the ability to reason effectively and make informed decisions from assessing problems and planning treatment to mastering massage protocols and techniques Hundreds of photographs demonstrate massage techniques step by step and case studies allow you to apply concepts to real world situations Featuring dozens of online how to videos this resource from

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**Sustainability assessment of concrete bridge deck designs in coastal environments using neutrosophic criteria weights** Ignacio J. Navarro, Victor Yepes, Jose V. Mart, Essential infrastructures such as bridges are designed to provide a long lasting and intergenerational functionality In those cases sustainability becomes of paramount importance when the infrastructure is exposed to aggressive environments which can jeopardise their durability and lead to significant maintenance demands The assessment of sustainability is however often complex and uncertain The present study assesses the sustainability performance of 16 alternative designs of a concrete bridge deck in a coastal environment on the basis of a neutrosophic group analytic hierarchy process AHP The use of neutrosophic logic in the field of multi criteria decision making as a generalisation of the widely used fuzzy logic allows for a proper capture of the vagueness and uncertainties of the judgements emitted by the decision makers TOPSIS technique is then used to aggregate the different sustainability criteria From the results it is derived that only the simultaneous consideration of the economic environmental and social life cycle impacts of a design shall lead to adequate sustainable designs Choices made based on the optimality of a design in only some of the sustainability pillars will lead to erroneous conclusions The use of concrete with silica fume has resulted in a sustainability performance of 46 3% better than conventional concrete designs

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