

Multiple Choice. Please choose the correct answer for each of the questions, by circling the letter of the correct answer.

1. How many chromosomes are found in the human body?

- A. 23
- B. 46
- C. 78
- D. 92

3. Which of these describes how an organism's traits physically look?

- A. Its phenotype
- B. Its pedigree
- C. Its probability
- D. Its genotype

5. Which pair of chromosomes produce a male offspring?

- A. A female Y and a male X
- B. A female X and a male Y
- C. A female X and a male X
- D. A female Y and a male Y

7. A function of mitosis is to ____

- A. to produce egg and sperm cells
- B. reduce the number of body cells
- C. double the number of chromosomes
- D. produce new body cells

2. The main function of genes is to control when ____

- A. tRNA carries an amino acid to the ribosome.
- B. mRNA is made using DNA as the pattern.
- C. the ribosome releases the protein chain.
- D. all parts of the cell and its function.

4. In the 1st stage of protein synthesis ____

- A. tRNA carries an amino acid to the ribosome.
- B. mRNA is made using DNA as a pattern.
- C. the ribosome releases the protein chain.
- D. the cell divides.

6. Punnett squares are useful because they show the ____

- A. actual results of a genetic cross
- B. separation of alleles during meiosis
- C. effects of mutations
- D. how proteins are made



Genetics Unit Test Answers

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Genetics Unit Test Answers:

Probability & Inheritance Gr. 7-10 John Collins, This resource is designed to support and extend any mathematics program by providing activities and worksheets that can be used for independent or group practice Students are introduced to the concepts of probability and inheritance In the probability section they will become familiar with the laws of chance and learn to make choices by predicting outcomes The inheritance section promotes decision making skills and develops ability in graphing spatial concepts and scale 64 pages *Gate Life Science Zoology [XL-T] Question Answer Book 4000+ MCQ As Per Updated Syllabus* Diwakar Education Hub, 2022-09-19 GATE Zoology Life Science Code XL T Practice Sets Part of Life Science XL 4000 Question Answer MCQ MSQ Highlights of Question Answer Covered All 11 Chapters Subjects Based MCQ MSQ As Per Syllabus In Each Chapter Unit Given 350 MCQ MSQ In Each Unit You Will Get 350 Question Answer Based on Multiple Choice Questions MCQs Multiple Select Questions MSQs Total 4000 Questions Answer Explanations of Hard Type Questions Design by Professor JRF Qualified Faculties **Zoology for B.Sc. Students Semester II: Genetics and Cell Biology (NEP 2020 Uttarakhand)** VK Agarwal, This textbook has been designed to meet the needs of B Sc Second Semester students of Zoology as per the Common Minimum Syllabus prescribed for all Uttarakhand State Universities and Colleges under the recommended National Education Policy 2020 NEP 2020 The book has been presented in two parts namely Genetics and Cell Biology The first part Genetics discusses Mendel's life laws of dominance segregation and independent assortment Further it elucidates linkages crossing over sex linked inheritance and mutation Second part of the book delineates on Cell Biology discussing prokaryotic eukaryotic cells structure and functions of cell organelles Also cell division topic including the cell cycle mitosis and meiosis has been aptly discussed This textbook contains simple comprehensive up to date and well illustrated account of Genetics and Cell Biology Also special care has been taken to maintain clarity and authenticity of text and illustrations Concepts in Genetics Mr. Rohit Manglik, 2024-06-24 Covers fundamental genetics including Mendelian inheritance gene interactions and molecular genetics with applications in biology and medicine *Genetic Counseling and Cystic Fibrosis Carrier Screening*, 1992 **Basic Genetics** Ahmed Abouelmagd, Hussein M. Ageely, 2013-04 Basic Genetics is a concise introductory textbook that focuses not only on understanding and explaining the main points of genetics but also upon covering the required essential traditional subjects in the field The main goal of this textbook is to help first year students who are taking their first course in human genetics to understand the different topics within genetics It is of particular interest for those who are preparing themselves to study medicine or other medical sciences This textbook presents only the essential required information Some of the different subjects included in the eight chapters are cell cycle and cellular division Mendelian principles of heredity the molecular basis of genetic material gene expression and gene expression control genetic variations and genetic engineering as well as human genetics In addition Basic Genetics contains multiple choice questions covering each topic and their answers These

questions are absolutely essential for students self assessment These different topics of basic genetics have also been illustrated by simple diagrams in full color

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Concepts of Genetics Harry Nickla,2005-05
 This valuable handbook provides a detailed step by step solution or lengthy discussion for every problem in the text The handbook also features additional study aids including extra study problems chapter outlines vocabulary exercises and an overview of how to study genetics

Cell Biology, Genetics, Biostatistics & Computational Biology Mr. Rohit Manglik,2024-03-03 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels

FUNDAMENTALS OF CYTOGENETICS AND GENETICS, FIFTH EDITION Mahabal Ram,2010-09 Provides thorough

understanding of the principles and applications of cytogenetics and genetics in an easy to understand style The text is divided into Four parts Part I on Principles of Cytogenetics deals with evolution and structure of cell cell division and change and structure of genetic material Part II on Principles of Genetics provides detailed discussions on transmission distribution and arrangement of genetic material and evolution of species Part III which is on Molecular Genetics discusses functions of genetic material including biotechnology and genetic engineering and the last Part IV on Quantitative Genetics deliberates on the course of genetic material in populations A historical approach to the subject has also been presented to show the continuity and progress Back cover

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