

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 first 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

L Darling-Hammond



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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

40 Days Crash Course for NEET Biology Arihant Experts,2021-11-25 1 NEET in 40 Day is Best Selling series for medical entrance preparations 2 This book deals with Biology subject 3 The whole syllabus is divided into day wise learning modules 4 Each day is assigned with 2 exercise The Foundation Questions Progressive Questions 5 8 Unit Tests and 3 Full Length Mock Test papers for practice 6 NEET solved Papers are provided to understand the paper pattern 7 Free online Papers are given for practice 40 Days Biology for NEET serves as a Revision cum crash course manual that is designed to provide focused and speedy revision It has been conceived keeping in mind the latest trend of questions according to the level of different types of students The whole syllabus of Biology has been divided into day wise learning module Each day is assigned with two exercises Foundation Question exercises having topically arranged question exercise and Progressive Question Exercise consists of higher difficult level question Along with daily exercises this book provides 8 Unit Test and 3 Full length Mock Tests for the complete practice At the end of the book NEET Solved Papers 2021 have been given for thorough practice TOC Preparing NEET 2022 Biology in 40 Days Day 1 The Living World Day 2 Plant Kingdom Day 3 Animal Kingdom Day 4 Unit Test 1 Day 5 Morphology of Flowering Plants Day 6 Anatomy of Flowering Plants Day 7 Structural Organisation in Animals Day 8 Unit Test 2 Day 9 Cell The Unit of Life Day 10 Biomolecules and Enzymes Day 11 The Cell Division Day 12 Unit Test 3 Day 13 Transport in Plants Day 14 Mineral Nutrition Day 15 Photosynthesis Day 16 Respiration in Plants Day 17 Plant Growth and Development Day 18 Unit Test 4 Day 19 Digestion and Absorption Day 20 Breathing and Exchange of Gases Day 21 Body Fluids and Circulation Day 22 Excretory Products and Their Elimination Day 23 Movement and Locomotion Day 24 Neural Control and Chemical Coordination Day 25 Unit Test 5 Day 26 Reproduction in Plants Day 27 Animal Reproduction and Reproductive Health Day 28 Genetics Day 29 Molecules Basis of Inheritance Day 30 Evolution Day 31 Unit Test 5 Day 32 Biology and Human Welfare Day 33 Biotechnology Principles and its Applications Day 34 Organisms and Ecosystem Day 35 Biodiversity and Wildlife Conservation Day 36 Environmental Issues Day 37 Unit Test 8 Day 38 Mock Test 1 Day 39 Mock Test 2 Day 40 Mock Test 3 NEET Solved Papers 2019 National Odisha NEET Solved Papers 2020 NEET Solved Papers 2021

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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