



Medical Genetics for the Modern Clinician

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LWW, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: CHAPTER 1: GENETICS IN THE PRACTICE OF MEDICINE From Genetics to Genomics Genetics and Preventive Medicine Ethical Issues in Medical Genetics Questions CHAPTER 2: DNA STRUCTURE, FUNCTION, AND REPLICATION: A REVIEW- Basic Structure of DNA Tertiary Structure of DNA Mitochondrial DNA Cell Cycle Meiosis Questions CHAPTER 3: CYTOGENETICS: MICROSCOPIC GENETICS Chromosome Morphology, Nomenclature, and Karyotyping Techniques in Molecular Cytogenetics Numerical Chromosomal Abnormalities Structural Abnormalities Mosaicism Prenatal Clinical Techniques in Cytogenetics Questions CHAPTER 4: MOLECULAR GENETICS: GENE STRUCTURE, ORGANIZATION, AND CONTROL Gene Structure From Gene to Product Genome Organization Epigenetics Clinically Relevant Laboratory Techniques Questions CHAPTER 5: Changes and Repair at the Molecular DNA Level Mutations DNA Repair Mechanisms Questions CHAPTER 6: MENDELIAN INHERITANCE: OBSERVATION OF PHENOTYPES Pedigree Construction Inheritance Patterns Genetic Counseling Risk Assessment Based on Pedigree Analysis Hardy-Weinberg Equilibrium Prenatal Diagnosis of Mendelian Disorders Questions CHAPTER 7: UNEXPECTED PHENOTYPES IN MENDELIAN DISORDERS: MOLECULAR EXPLANATIONS Variations in Dominant Phenotypes Variations in Recessive Phenotypes Variations in X-linked Phenotypes Mitochondrial Inheritance False Paternity Questions CHAPTER 8: CANCER

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