

Syllabus for M.Sc. Genetic Counseling (Batch 2024)
Kasturba Medical College (KMC), Manipal

Department Test (DT) details

- Total questions: 50 MCQs, each question carries one mark
- Test duration: 60 minutes
- There is no negative marking for incorrect answers
- Those who score 50% and above in the department test will be called for a personal interview
- 50 marks for personal interview

Genetics

Cell Structure, Organelles, Function, Metabolism; Cell Cycle & Its Control, Human Developmental Biology: Basic Concepts of Developmental Biology, Developmental Mechanisms in Embryogenesis; Human Anatomy & Physiology: All Organ Systems & Their Functions; Basics of Human Biochemistry: Biological Molecules (Carbohydrates, Proteins, Lipids, Nucleic Acids), Metabolic Pathways; Immunity: Innate Immunity, Acquired Immunity, Organization of Human Genome, Human Chromosomes: Structure, Function, Abnormalities; Genes: Structure, Expression & Function; Human Genetic Variations: Single Nucleotide Variations, Copy Number Variations, Implications of Genetic Variations; Mendelian Inheritance Patterns: Autosomal and X-Linked Inheritance; Common Genetic Disorders: Chromosomal Syndromes, Microdeletion Syndromes, Monogenic Disorders, Multifactorial Disorders; Cancer Genetics, Genetic Testing, Prenatal diagnosis, Genetic Counseling