

Syllabus for PhD Genetics

1. Cell biology
2. Mendelian Genetics
3. Pedigree Analysis.
4. Genetic Counseling Processes
5. Developmental Biology
6. Sex Determination
7. Chromosome structure and Cytogenetics
8. haemoglobinopathies
9. Basic Molecular Biology
10. Clinical Biochemistry
11. Inborn errors of metabolism
12. Prenatal Diagnosis
13. Preimplantation Genetics.
14. Cancer Genetics
15. Hereditary syndromes
16. Genetics of Complex disorders
17. Epigenetics
18. Advanced Genetic Tests
19. Pharmacogenomics
20. Ethics.