

M.Sc. SEMESTER II

COURSE – 8 Human Cytogenetic

Credits –3

Paper code: MZO508 Total Marks: 50 (Assignment 10 + Theory Exam 40)

BLOCK – I: Human Cytogenetics

Unit –1 : Introduction to Human Cytogenetics

Unit –2 : Chromosomes & Karyotyping

Unit –3 : Chromosomal Abnormalities

Unit –4 : Genetic Disorders

Unit –5 : Mutations and Repair of DNA

Unit –6 : Recombinant DNA Technology

Unit –7 : Cytogenetic Culture setup and Harvest

Unit –8 : Slide Preparation and Staining

Appendix – A Glossary of Genetic Terms

Appendix – B Glossary of Malformations