

M.SC IIND YEAR ZOOLOGY

Z0551 IMMUNOLOGY

Programme: Master of Science Zoology MSCZO12

Year / Semester: 2nd Year

Credits: 6

BLOCK – I: The Immune System

Unit –1 : Introduction to the Immune System

Unit –2 : The Lymphoids System

Unit –3 : Cell involved in Immune Response

Unit –4 : Structure and functions of Immunoglobulins

BLOCK – II: Immune Response

Unit –5 : Major Histocompatibility Complex in mouse and Humans

Unit –6: Humoral Immunity

Unit –7 : Cell mediated Immunity

Unit –8 : The complement system

BLOCK – III: Immunopathology

Unit –9 : Hypersensitivity

Unit –10: Auto Immunity and Immune diseases

Unit –11: Immunity to Infectious diseases

Unit –12: Immunity to Parasitic diseases

BLOCK – IV:

Immunotechnology

Unit –13: Vaccinology

Unit –14: Transplantation and Organ Rejection

Unit –15: Tumor Immunology

Unit –16: Immunodiagnosis and Applications