

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

Under CBCS - Semester - Grading Pattern

B.Sc. :: SEMESTER-III & IV :: BOTANY

Elective Course (Subject) :: ES BOT-213

Biodiversity

(in force from June 2012)

Teaching Hours per Week: 2

Credits-2

Unit-I

1. Introduction – Definition; genetic, species and ecosystem diversity
2. Bio-geographical classification of India
3. Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values
4. Biodiversity at global, national and local levels

Unit-II

1. India as a mega-diversity nation, Hot-spots of biodiversity
2. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts
3. Endangered and endemic species of India and Gujarat
4. Conservation of biodiversity: *in-situ* and *ex-situ* conservation of biodiversity

