

VEER NARMAD SOUTHGUJARAT UNIVERSITY, SURAT.
SYLLABUS OF BIODIVERSITY
F.Y.B. Sc.SEMESTER-I
(Effective From JUNE-2012)

UNIT-I

Introduction-definition-geological history of biodiversity-(global level scenario)

UNIT-II

Elements /types of biodiversity-genetic,species(alpha,beta,gama),ecological diversity

UNIT-III

Hot spots of biodiversity in india(introduction of total map of hot spots)-detailed study following hot spots: western Himalaya,westernghats, gangetic planes, deccan peninsula.

UNIT-IV

Conservation of biodiversity-insitu& ex-situ conservation.

SYLLABUS OF BIODIVERSITY
SEMESTER- II

UNIT-I

Threats of biodiversity-causes & responsible factors- endangered & endemic species of plants & animals of india

UNIT-II

Interaction of species-aquatic biodiversity-deep sea & small island biodiversity-marine biodiversity-wetlands biodiversity

UNIT- III

Mangroves & deserts biodiversity- study of following with reference to biodiversity nalsarovar – gir lion sanctuary & national park,wild ass wls,jessorwls, jambughoda and hingolgadh nature education sanctuary.

UNIT-IV

Biodiversity conservation- future strategies for india

LIST OF REFERENCE BOOKS

- 1) Biodiversity- Mahesh Prasad singh ,APH Publishing corporation. New Delhi.
- 2) Environmental studies (U.G.C. syllabus)-N.Arumugam&V.Kumaresan. Saraspublication,Kanyakumari
- 3) Biodiversity : principles & conservation-U.Kumar,M.J.Asija. Agrobios India-Jhodhpur.
- 4) Biodiversity in Indian Scenarios-N.Ramakrishnan. Daya publishing house-Delhi
- 5) Environmental Biology- H.R.Singh. S.Chand& Co. Ltd..New Delhi
- 6) Biodiversity : Status &Prospects.Editors- PramodTandon,ManjusharmaRamswarup. Narosa Publishing house Pvt.Ltd.New Delhi
- 7) Jaivvidhta / jaivvaividhya-University Granthnirmanboard,Gandhinagar, Ahmedabad.

