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HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

CBCS - Semester - Grading Pattern

B. Sc.:: BOTANY :: SEMESTER-II

ES BOT-201

Natural Resource Management

(Credits: Theory-2)

Theory Lectures: 30

(Effective from June 2020)

Unit 1: Natural Resource Management - I

(15 lectures)

- 1) Natural Resource: Definition, types and management.
- 2) Sustainable utilization: Concept, approaches (economic, ecological and socio-cultural).
- 3) Land: Utilization (agricultural, pastoral, horticultural, silvicultural); Soil degradation and management.
- 4) Water: Fresh water (rivers, lakes, groundwater, aquifers, watershed), Marine; Estuarine; Wetlands.

Unit 2: Natural Resource Management - II

(15 lectures)

- 1) Forests: Definition, Cover and its significance (with special reference to India); Major and minor forest products; Depletion; Management.
- 2) Energy: Renewable and non-renewable sources of energy.
- 3) Contemporary practices in resource management: EIA (Environmental Impact Assessment), Resource Accounting, Waste management.
- 4) National and international efforts in resource management and conservation.

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HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

B.Sc Programme (CBCS - Semester - Grading Pattern)

B. Sc.: BOTANY :: SEMESTER END EXAMINATION

Format for Questions paper Elective Course in Botany

(B.Sc. Sem - I & II)

(W.E.F. JUNE - 2020)

The university examination paper consists of three questions.

- First question is of 12 marks and will be from Unit - I.
- Second question is of 12 marks and will be from Unit - II.
- Third question is of 11 marks and will be from Unit - I & II.

Time: 2 Hrs

Total Marks: 35

Q.1 (a) Attempt any one out of two.	06 Marks
(b) Attempt any two out of three.	06 Marks
Q.2 (a) Attempt any one out of two.	06 Marks
(b) Attempt any two out of three.	06 Marks
Q.3 (a) Attempt any three out of five (SQ).	06 Marks
(b) Attempt any five out of eight.	05 Marks