

**IV. CORE COURSE [CCHIS204]:**

(Credits: Theory-04, Tutorial-01)

Marks: 30 (MSE: 20Th. 1Hr + 5Attd. + 5Assign.) + 70 (ESE: 3Hrs)=100	Pass Marks (MSE:17 + ESE:28)=45
---	---------------------------------

**Instruction to Question Setter:****Mid Semester Examination (MSE):**

There will be **two** groups of questions in written examinations of 20 marks. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type five** questions of five marks each, out of which any three are to be answered.

**End Semester Examination (ESE):**

There will be **two** groups of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type six** questions of fifteen marks each, out of which any four are to be answered.

**Note:** There may be subdivisions in each question asked in Theory Examinations

The Mid Semester Examination shall have three components. (a) Two Semester Internal Assessment Test (SIA) of 20 Marks each, (b) Class Attendance Score (CAS) of 5 marks and (c) Class Performance Score (CPS) of 5 marks. "**Best of Two**" shall be applicable for computation of marks for SIA.

(Attendance Upto 75%, 1 mark; 75 < Attd. < 80, 2 marks; 80 < Attd. < 85, 3 marks; 85 < Attd. < 90, 4 marks; 90 < Attd., 5 marks).

**ECOLOGY & ENVIRONMENT****Theory: 60 Lectures; Tutorial: 15 Hrs**

- Unit I : Definition and Scope
- Ecology - Concept of Ecology
  - Relation of Ecology with other Subjects
  - Environment: Concept and Components of Environment
  - Ethics of Environmental Awareness
- Unit II : Environment Consciousness in Ancient India
- Indus Valley Civilization - Planned Urbanization
  - Indus Valley Civilization - Worship of Different components of Nature, Prakriti and Purush
  - Environmental Consciousness in Vedic period, Forests in Mauryan Period
  - Small Scale industries based on Natural Resources in Ancient India
- Unit III : Environmental Consciousness in Medieval India
- Exploration and use of Natural Resources in Turko-Afghan Period
  - Exploration and use of Natural Resources in Mughal Period
  - Wild Life, Forest and Horticulture - Turko-Afghan Period
  - Wild Life, Forest and Horticulture - Mughal Period
- Unit IV : Environmental and Ecological Consciousness in Modern India
- Forest and Wild Life Management in British India
  - Industries based on Indian Natural Resources
  - Exploitation of Natural Resources
  - Water Management
- Unit V : Environmental Issues since Independent India with special reference to Jharkhand
- Deforestation
  - Displacement
  - Population growth and Pollution
  - Wild life management in Jharkhand