JAI HIND COLLEGE AUTONOMOUS

Syllabus for F.Y.BCom

Course : Environmental Studies

Semester : I

Credit Based Semester & Grading System

With effect from Academic Year 2018-19

List of Courses

Course: Environmental Studies **Semester: I**

SR. NO.	COURSE CODE	COURSE TITLE	NO. OF LECTURES / WEEK	NO. OF CREDITS
FYBCom				
1	CEVS101	Environmental Studies I	04	03

Semester I – Theory

Course: CEVS101	**Environmental Studies I (Credits :03 Lectures/Week:04)**	
	Objectives: **1.** To create an environmental awareness among commerce students **2.** To make students aware about various environmental factors and its relation to the field of Commerce. **3.** To highlight functional and spatial links between environment, economy and society. **4.** To create an insight into various environmental issues at various levels and environmental movements towards making environmental sustainable. **Outcomes:** Course intends to deliver the understanding of basic concepts of environment and ecosystem. It will also highlight the current status of natural resources, impact of human activities on environment and issues arising out of it. The course will give hands on practice of sound level meter to students to measure the existing noise pollution level. Need of smart, safe and sustainable cities will also be discussed on the backdrop of urbanization in India. Map reading and filling work is intend to enhance the students learning capability.	
Unit I	**Environment and Ecosystem** 1) **Environment:** Meaning, definition, scope and its components. 2) **Concept to fan ecosystem:** definition, Characteristics, components and types, functioning and structure ;Food Chain and Food Web- Ecological Pyramids 3) Man and environment relationship 4) Importance, scope and need of Environmental Education	**15 L**
Unit II	**Natural Resources, Population and Emerging issues of Development** 1) **Meaning and definitions-** Difference between endowment and resource, Classification and types of resources, Methods of Resource conservation, Sustainable development of resources 2) **Resource management** : Issues of management of water, forest and energy resources- conflicts and solutions *3)* **POPULATION GROWTH AND STRUCTURE**: POPULATION EXPLOSION, CAUSES AND EFFECTS- POPULATION AS A RESOURCE- EMERGING ISSUES OF DEVELOPMENT. *4)* Pattern of population growth in the world and in India and associated problems, Measures taken to control population	**15 L**

	growth in India, Contemporary theories of Demography, Demographic Transition Theory. 5) Human population and environment- Environment and Human Health , Human Development Index – The World Happiness Index- examples and applications	
Unit III	**Urbanisation and Environment** 1) **Concept of Urbanisation:** Problems of migration and related issues- urban environment and associated environmental issues. 2) **Noise Pollution:** What is noise pollution? Method of collection of noise data- its applications. 3) Smart Cities – Concept, examples, how smart are cities?, infrastructural development and requirement– applicability in India.	**15 L**
Unit IV	**Reading of Thematic Maps and Map Filling** 1) Reading of Thematic Maps, Located bars, Circles, Pie charts, Isopleths, Choropleth and Flow map, Pictograms- Only reading and interpretation 2) **Map Filling :** Concept, Mapping of Environmentally significant features of the world using point, line and polygon segment.	**15 L**

Textbook & Reference Books:

1) Singh,Savindra,2011: *Environmental Geography*, Prayag Pustak Bhavan, Allahabad ,India
2) Gautam Alka,2009: *Environmental Geography*,Sharda Pustak Bhavan, Allahabad, India
3) Odum E.P.(1971):*Fundamentals of Ecology,* W.B. Saunders, Philadelphia
4) Botk in D.B.& KellerE.A.,1995: Environmental Science, JohnWiley& Sons, NewYork
5) McKinneyM.L.&SchochR.M.,1998:*EnvironmentalScience*,Jones&BartlettPublishers,London
6) AllabyM.2002: *Basics of Environmental Sciences*, Routledge, London
7) DetwylerT.R.,1971:*Man'sImpactonEnvironment*,McGraw-Hill,NewYork
8) Ahir rao W.R. & others, *Paryavaran Vijnan*(Marathi),Nirali Prakashan, Pune Diamond Dictionary of Environmental Science
9) Bharucha E.,*A Text Book of Environmental Studies*, Universities Press, Hyderabad

Evaluation Scheme

[A] Evaluation scheme for Theory courses

I. Continuous Assessment (C.A.) - 40 Marks

(i) C.A.-I : Test – 20 Marks of 40 mins. duration

(ii) C.A.-II : Group Assignment

II. Semester End Examination (SEE)- 60 Marks

N.B i) All questions are compulsory.

ii) All questions will carry equal marks

iii) Attempt any **TWO** sub questions from question number 2 to 4

Q.1a) Map reading (World map) : 08 marks

b) Map Filling (World map) : 07 marks

Q.2 a)

b) 15 marks

c)

Q.3 a)

b) 15 marks

c)

Q.4 a)

b) 15 marks

c)