TEACHER'S LESSON PLAN FOR YEAR

Teacher's name	Department	Course	Subjects
Bhupender Singh	Chemistry	B.Com (H), B.Com. (P) 1st Sem, B.A (H), B.A. (P) 2 Sem	Environmental Science

SUBJECT NAME	Sub Topics of Units		No. of Lectures
UNITS		sub topics	
1	THE MULTIDISCIPLARY NATURE OF ENVIRONMENTAL STUDIES : A)DEFINITION,SCOPE&IMPORTANCE, NEED FOR PUBLIC AWARENESS	A)DEFINITION,SCOPE&IMPORTANCE, NEED FOR PUBLIC AWARENESS	2
2	NATURAL RESOURCES: A) RENEWABLE AND NON-RENEWABLE RESOURCES,NATURAL RESOURCES AND ASSOCIATED PROBLEMS	A) RENEWABLE AND NON-RENEWABLE RESOURCES,NATURAL RESOURCES AND ASSOCIATED PROBLEMS	2
	B) FOREST RESOURCES, WATER RESOURCES, MINERAL RESOURCES, FOOD RESOURCES ,ENERGY RESOURCES, ENERGY RESOURCES, LAND RESOURCES	B) FOREST RESOURCES, WATER RESOURCES, MINERAL RESOURCES, FOOD RESOURCES ,ENERGY RESOURCES, ENERGY RESOURCES, LAND RESOURCES	4

	C) ROLE OF AN INDIVIDUAL IN CONSERVATION OF NATURAL RESOURCES, EQUITABLE USE OF RESOURCES FOR SUSTAINABLELIFESTYLE	C) ROLE OF AN INDIVIDUAL IN CONSERVATION OF NATURAL RESOURCES, EQUITABLE USE OF RESOURCES FOR SUSTAINABLELIFESTYLE	2
3	ECOSYSTEM : A) CONCEPT OF ECOSYSTEM,STRUCTURE AND FUNCTION OF AN ECOSYSTEM,ENERGY FLOW IN THE ECO SYSTEM, ECOLOGICAL SUCCESSION,	A) CONCEPT OF ECOSYSTEM,STRUCTURE AND FUNCTION OF AN ECOSYSTEM,ENERGY FLOW IN THE ECO SYSTEM, ECOLOGICAL SUCCESSION,	3
	B) FOOD CHAIN, FOOD WEBS AND ECOLOGICAL PYRAMIDS , INTRODUCTION ,TYPES, CHARTERISTICS FEATURES , STRUCTURE AND FUNCTION OF THE FOLLOWING ECOSYSTEM: FOREST ECOSYSTEM, GRASSLAND ECOSYSTEM, DESERT ECOSYSTEM, AQUATIC ECOSYSTEM.	B) FOOD CHAIN, FOOD WEBS AND ECOLOGICAL PYRAMIDS , INTRODUCTION ,TYPES, CHARTERISTICS FEATURES , STRUCTURE AND FUNCTION OF THE FOLLOWING ECOSYSTEM: FOREST ECOSYSTEM, GRASSLAND ECOSYSTEM, DESERT ECOSYSTEM, AQUATIC ECOSYSTEM.	3

4	BIODIVERSITY AND ITS CONSERVATION : A) DEFINATION : GENETIC, SPECIES AND ECOSYSTEM DIVERSITY,BIOGEOGRAPHICAL CLASSIFICATION OF INDIA, VALUE OF BIODEVERSITY: CONSUMPTIVE USE, PRODUCTIVE USE,SOCAIL, ETHICAL , AESTHETIC AND OPTION VALUES	A) DEFINATION : GENETIC, SPECIES AND ECOSYSTEM DIVERSITY,BIOGEOGRAPHICAL CLASSIFICATION OF INDIA, VALUE OF BIODEVERSITY: CONSUMPTIVE USE, PRODUCTIVE USE,SOCAIL, ETHICAL , AESTHETIC AND OPTION VALUES	4
	B) BIO DIVERSITY AT GLOBAL, NATIONAL AND LOCAL LEVELS,HOTSPOTS OD BIODIVERSITY, THREATS TO BIO DIVERSITY, ENDANGERED AND ENDEMIC SPECIES OF INDIA, CONSERVATION OF DIVERSITY	B) BIO DIVERSITY AT GLOBAL, NATIONAL AND LOCAL LEVELS,HOTSPOTS OD BIODIVERSITY, THREATS TO BIO DIVERSITY, ENDANGERED AND ENDEMIC SPECIES OF INDIA, CONSERVATION OF DIVERSITY	4

5	ENVIRONMENT POLLUTION : A) DEFINITION ,CAUSES, EFFECTS AND CONTROL MEASURES OF:AIR POLLUTION, WATER POLLUTION, SOIL POLLUTION, MARINE POLLUTION, NOISE POLLUTION THERMAL POLLUTION, NUCLEAR HAZARDS	A) DEFINITION ,CAUSES, EFFECTS AND CONTROL MEASURES OF:AIR POLLUTION, WATER POLLUTION, SOIL POLLUTION, MARINE POLLUTION, NOISE POLLUTION THERMAL POLLUTION, NUCLEAR HAZARDS	4
	B) SOIL WASTE MANAGEMENT : CAUSES, EFFECTS& CONTROL MEASURES OF URBAN & INDUSTRIAL WASTE, ROLE OF AN INDIVIDUAL IN PREVENTION OF POLLUTION, POLLUTION CASE STUDIES, DISASTER MANAGEMENT	B) SOIL WASTE MANAGEMENT : CAUSES, EFFECTS& CONTROL MEASURES OF URBAN & INDUSTRIAL WASTE, ROLE OF AN INDIVIDUAL IN PREVENTION OF POLLUTION, POLLUTION CASE STUDIES, DISASTER MANAGEMENT	4

6	SOCIAL ISSUES AND THE ENVIRONMENT : A) FROM UNSUSTAINABLE TO SUSTAINABLE DEVELOPMENT, URBAN PROBLEM RELATED TO ENERGY, WATER CONSERVATION, RAIN WATER HARVESTING ,WATERSHED MANAGEMENT,ENVIRONMENTAL ETHICS: ISSUES AND CLIMATE CHANGE, GLOBAL WARMING, ACID RAIN, OZONE LAYER DEPLETION, NUCLEAR ACCIDENTS AND HOLOCAUST T	A) FROM UNSUSTAINABLE TO SUSTAINABLE DEVELOPMENT, URBAN PROBLEM RELATED TO ENERGY, WATER CONSERVATION, RAIN WATER HARVESTING ,WATERSHED MANAGEMENT, ENVIRONMENTAL ETHICS: ISSUES AND CLIMATE CHANGE, GLOBAL WARMING, ACID RAIN, OZONE LAYER DEPLETION, NUCLEAR ACCIDENTS AND HOLOCAUST T	4
	B) ENVIRONMENT PROTECTION ACT, AIR ACT, WATER ACT,FOREST ACT, ISSUES INVOLVED IN ENFORCEMENT, PUBLIC AWARENESS	B) ENVIRONMENT PROTECTION ACT, AIR ACT, WATER ACT,FOREST ACT, ISSUES INVOLVED IN ENFORCEMENT, PUBLIC AWARENESS	3

7	HUMAN POPULATION & ENVIRONMENT: A) POPULATION GROWTH, ,VARIATION AMONG NATIONS ,POPULATION EXPLOSION, ENVIRONMENT AND HUMAN HEALTH , HUMAN RIGHTS	A) POPULATION GROWTH, ,VARIATION AMONG NATIONS ,POPULATION EXPLOSION, ENVIRONMENT AND HUMAN HEALTH , HUMAN RIGHTS	3
	B) VALUE EDUCATION,HIV/AIDS, WOMENAND CHILD WELFARE, ROLE OF INFORMATION TECHNOLOGY IN ENVIRONMENT AND HUMAN HEALTH CASE STUDIES	B) VALUE EDUCATION,HIV /AIDS, WOMENAND CHILD WELFARE, ROLE OF INFORMATION TECHNOLOGY IN ENVIRONMENT AND HUMAN HEALTH CASE STUDIES	3
8	FIELD WORK: A) Tree Plantation, VISIT TO LOCAL AREA, VISIT TO LOCAL POLLUTED SITE, STUDY OF COMMON PLANTS, INSECTS,BIRDS, STUDY OF SIMPLE ECOSYSTEM -POND , RIVER,HILL SLOPES	A) Tree Plantation, VISIT TO LOCAL AREA, VISIT TO LOCAL POLLUTED SITE, STUDY OF COMMON PLANTS, INSECTS,BIRDS, STUDY OF SIMPLE ECOSYSTEM - POND , RIVER,HILL SLOPES	5
			50