MODEL C B C S SYLLABUS

ABILITY ENHANCEMENT COMPULSORY COURSE (AECC-1)

ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT

Full Marks: 100

Unit - I WHEN TO AN ARM HEY ARE THE SERVE

ENVIRONMENT

(13 Periods x 45 min)

The Environment: The Atmosphere, Lithosphere, Hydrosphere, Biosphere

Ecosystem: Energy flow in the ecosystem

Biogeochemical Cycle: Water Cycle, Carbon Cycle, Nitrogen Cycle

Pollution: Water Pollution, Air Pollution, Soil Pollution, Radiation Pollution, Industrial Pollution, Light Pollution, Sound Pollution

Environmental Laws: Water Act 1974, Air Act 1981, The Wildlife Protection Act 1972, The Environment Protection Act, 1986, The Forest Conservation Act 1980.

Unit - II

CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (13 Periods x 45 min)

Population Ecology: Individuals, Species, Population, Community

Human Population Growth, Population Control Methods, Urbanization and its effects on Society Red of Billeien Sectors in Managong Hoasts El saint Taxing Co.

Climate Change: Causes, Effects, Global Warming, Carbon footprint and Environmental Protection

Steps taken towards Sustainable Development: Ban of single-use plastics, Automobile Scrapping Policy, Promotion of Electrical Vehicles

Brief idea on Sustainable Development Goals (SDGs): Agenda 21 of Rio Earth Summit

Unit - III

DISASTER MANAGEMENT

(13 Periods x 45 min)

Disaster Management:

Types of disasters (Natural and Man-made) and their causes and effects

Vulnerability Assessment and Risk Analysis: Vulnerability to various disasters: Flood, Cyclone, Earthquake, Heat waves and Lightning

Institutional Framework: Institutional arrangements for disaster management, National Disaster Management Authority (NDMA), State Disaster Management Authority (SDMA), District Disaster Management Authority (DDMA), National Disaster Response Force (NDRF) and Odisha Disaster Rapid Action Force (ODRAF)

Prepared Measures: Disaster Management Cycle, Early Warning System, Pre-Disaster and Post-Disaster Preparedness, Strengthening of NDMA and DDMA, Community Preparedness, Stakeholder participation, Corporate Social Responsibility (CSR)

Survival Skills: Survival skills adopted during and after disaster (Flood, Fire, Earthquake, Cyclone and Lightning)

Unit - IV

PUBLIC HEALTH MANAGEMENT:

(13 Periods x 45 min)

Brief idea on Epidemics and Pandemics

Non-communicable diseases with special reference to Cardiovascular diseases, Cancer, Diabetes, Hypertension and Obesity and their prevention

Communicable diseases with special reference to Covid-19, Flu, Hepatitis, AIDS and Tuberculosis and their transmission

Dynamics of disease Transmission: Mode of transmission (Direct/Indirect), Events after infection, Immunity (Active vrs Passive, Innate vrs Acquired, Herd Immunity), Incubation Period

Prevention of Epidemics/Pandemics Diseases: Preventing Measures: (Quarantine, Sanitization, Personal Protective measures such as Hand washing and use of protective devices, Vaccination); Control Measures: Surveillance, Isolation, Contact Tracing

Life Style Management: (Diet, Physical Exercise, Yoga and Sleeping habit)

Role of Different Sectors in Managing Health Disaster: Role of Government (Centre and State), Community, Civil Society, Student Mass, NGOs

QUESTION PATTER	N mountaint think mapper
Full marks: 100	as wanted out a standal at
Full marks: 100 Mid-semester/Internal: 20 marks	Time: 3 Hours
End-semester : 80 marks	
Part I: Objective Questions:	and the second s
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B. One word answer	Tabling enters
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Part III: Answer in 75 words	and a second part of the state of
Answer any 8 questions (out - 5 10)	3 x 8 = 24
Part IV: Answer in 500 words	Substitution of the substi
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