



THE MADURA COLLEGE (Autonomous), MADURAI – 625 011

(AFFILIATED TO MADURAI KAMARAJ UNIVERSITY)

RE-ACCREDITED (3rd Cycle) WITH "A" GRADE BY NAAC

PROGRAMME: B.A., / B.Sc., / B.Com.,

COURSE CODE : 17U1EVS1

COURSE TITLE : Environmental Studies

QN.NO : 7402

TIME : 3 Hours

MAX.MARKS :75

UNIT-I: Earth and its Environment

- a) Earth-Formation and Evolution of Earth over the periods-Structure of Earth and its components: Atmosphere, Lithosphere, Hydrosphere and Biosphere
- b) Resources-Renewable and Non renewable resources

UNIT-2: Ecology and Ecosystem concepts

- a) Ecology-definition-Ecosystem-Definition-Structure and function-Energy flow-Food Chain and Food web-one example for an ecosystem
- b) Biogeochemical cycles-Nitrogen, Carbon, Phosphate and Water Cycles

UNIT-3: Biodiversity and India

- a) Introduction-Definition-Values of Biodiversity-Threats to Biodiversity-Conservation of biodiversity
- b) Biodiversity of India-as a megadiversity nation-biogeographical distribution-Hot spots of biodiversity-National Biodiversity Authority and its function

UNIT-4: Pollution and Global Issues

- a) Definition, causes, effects and control measures of Air, Water, Soil, Marine, Noise, Thermal and Nuclear pollutions
- b) Global issues: Global Warming and Ozone Layer Depletion

Unit-5: Development and Disaster Management

- a) Sustainable Development-Sustainable Agriculture-Organic farming and Irrigation-Water harvesting and Waste recycling- Cyber waste and management
- b) Disaster Management-Flood and Drought-Earthquake and Tsunami-Landslides and Avalanches-Cyclones and Hurricanes-Precautions, Warnings Rescue and Rehabilitation

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