

M. Sc. GEOLOGY FOURTH SEMESTER

**Paper – IV Environmental Geology & Disaster Management Code:
Geol 404**

UNIT – I

Environment : definition and types of environment; Environmental Geology: definition and concepts of environmental geology; pollution and geohazards; environmental problems: global warming, green house effect, depletion of ozone layer, acid rain.

UNIT – II

Air pollution : causes, impact and remedial strategies; Noise pollution : causes, impact and remedial strategies; Water pollution : causes, impact and remedial strategies; groundwater pollution and health issues.

UNIT – III

Environmental impacts of mining activities; concept of eco-friendly mining; laws governing protection of environment and control of pollution; environmental impact assessment (EIA).

UNIT – IV

Disaster, concept and types of disaster, factors, causes and effect of disasters; human behaviour and response during disaster; natural disasters (earthquakes , volcanic activities, floods, droughts land slides).

UNIT – V

Man made disaster, environmental changes, mining, industrial, epidemic, mechanism, distribution and impact of cyclones, hurricanes, tsunamis, lightning etc. management and mitigation of disasters.