

2009-2010
M.Sc (IV SEMESTER EXAMINATION
(APPLIED GEOLOGY)
ENVIRONMENTAL GEOLOGY- II
(GLM-X003)

Maximum Marks: 35

Duration: Two Hours.

Answer all questions.

- 1. Discuss the effect of urbanization and industrialization on the quality of groundwater. 09

OR

- 1'. Write detailed notes on the following:
 - (a) Induced pollution of groundwater
 - (b) Point and non-point sources of pollution
- 2. What are the principal causes of flooding? Explain the differences between structural and non-structural approaches of flood control. 09
- 3. Write detailed notes on the following: 09
 - (a) Degradation of soils and their causes.
 - (b) Effect of fertilizers on soil.
- 4. Give an account of various seismic hazards and their remedial measures. 08

OR

- 4'. Write brief notes on the following:
 - (a) Environmental security and its assessment.
 - (b) Seismic hazard maps.

Ente soil → Soil without lignin, except in *Mora* ^{new}

Vert soil → Soil with ^{tal} layers mixed / interbedded ^{explanatory}

Incept ^{parent} Ared → It is remaining soil of *Cina* & *Beana*

Mulm → It is soil of grass land & fern cut ^{low} *Car.*

Sodo → It is soil of *hau* of *ash* grey. It is heavy
A & B ^{cross} ^{cut} ^{or} ⁱⁿ ^{clay} ^{dark}
for *shango*

Alfi soil → This soil is *well* ^{soil}, ^{with} ^{cut},
any ^{mixed} ^{sub} ^{soil}

Uat → ^{soil} ^{to} ^{add}, ^{more} ^{with}
^{soil} ^{to} ^{add} ^{more} ^{with}