

2009-2010
B.Sc. (Hons.) (PART – III) EXAMINATION
(GEOLOGY)
NATURAL ENVIRONMENT
(GL-315)

Maximum Marks: 40

Duration: Three Hours

Note: Answer all questions.

1. What are the fundamental concepts of Environmental geology. (07)
Discuss the earth as a closed system.
OR
- 1' Write explanatory notes on the following:-
 - (a) Geochemical cycle
 - (b) Carbon cycle
2. Discuss the causes of earthquakes. Suggest remedial measures in (06)
earthquake-prone areas.
3. Briefly describe the geological and environmental considerations of (07)
the dam site.
OR
- 3' Write notes on the following:-
 - (a) Seismicity
 - (b) Tunnels
 - (c) Water table
4. Write detailed notes on types of aerial photographs. (07)
OR
- 4' Write brief notes on the following:
 - (a) EMR interaction with atmosphere.
5. Write detailed notes on the following:- (06)
 - (a) Photographic elements.
 - (b) Geotechnical elements.
6. Explain Darcy's law and discuss its validity in different flow regimes. (07)
