

M.A./M.Sc. 2nd Semester Examination, 2013

GEOGRAPHY

PAPER—GEO - 204

Full Marks : 40

Time : 2 hours

*The figures in the right-hand margin indicate marks
Candidates are required to give their answers in their
own words as far as practicable*

Illustrate the answers wherever necessary

UNIT – XIX

(Environmental Engineering)

GROUP— A

1. Answer any *one* question : 8 × 1

- (a)* Discuss on the health effects of noise, mentioning the techniques for controlling noise.
- (b)* Explain the methods for controlling air pollution.

(Turn Over)

GROUP— B

2. Answer any *two* questions : 4 × 2
- (a) What are the functional elements of solid waste management ?
 - (b) Discuss the operational principle of "settling tank".
 - (c) Examine the role of East Calcutta wetland for effective treatment of municipal waste water.
 - (d) Explain with illustration, the design of 'cascade impactor'.

GROUP— C

3. Answer any *two* questions : 2 × 2
- (a) Assess the role of comminutor in waste water treatment.
 - (b) What is the use of 'Nephelometer' ?
 - (c) Define 'bio-accumulation'.
 - (d) Define 'decibel'.

UNIT – XX

(*Environmental Hazards*)

GROUP – A

1. Answer any *one* question : 8 × 1

- (a) Explain the various procedures of vulnerability mapping for a Landslide prone area.
- (b) Discuss the causes and types of earthquake hazard with special reference to tsunami effect.

GROUP – B

2. Answer any *two* questions : 4 × 2

- (a) How does Risk perception vary within different social groups.
- (b) What type of preparedness is needed in response to cyclonic hazard ?
- (c) Explain why drought is considered as *creeper hazard*.

(d) What is the relationship between crime and poverty ?

GROUP— C

3. Answer any *two* questions : 2 × 2

(a) What do you mean by 'disaster' ?

(b) What is flood aftermath ?

(c) Define epidemic and endemic.

(d) What do you mean by environmental refugees ?
