

2014

M.A._M.Sc.

2nd Semester Examination

GEOGRAPHY

PAPER—GEO-204

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Write the answer Questions of each Unit in separate books .

Unit—XIX

(Environmental Engineering)

Group—A

1. Answer any one of the following questions : 8×1

- (a) Enumerate and comment on the guidelines of Govt. of India (1999) regarding disposal of municipal solid waste. 8
- (b) Elucidate the methods for estimating gaseous and suspended air pollutants. 3+5

(Turn Over)

Group—B

2. Answer any *two* questions of the following : 4×2
- (a) Draw a scale of environmental noise. 4
 - (b) Compare the compositions of municipal solid-wastes of India with that of USA. 4
 - (c) Outline the processes of Nitrogen removal from waste water.
 - (d) Classify pesticides on the basis of target pest group.

Group—C

3. Answer any *two* questions from the following : 2×2
- (a) What do you mean by temporary threshold shift in hearing ?
 - (b) Define *activated sludge*.
 - (c) What is the connotation of *pyrolysis* ?
 - (d) Specify the role of *algae* in waste water treatment in an *oxidation pond*.

Unit-XX**(Environmental Hazards)****Group—A**

1. Answer any *one* question of the following : 8×1
- (a) Account for different types of Biophysical hazard with special reference to their epidemic phase and related impacts.
 - (b) Define poverty line and narrate the vicious cycle of poverty operative in rural and urban areas. 8

Group—B

2. Answer any *two* questions of the following : 4×2
- (a) Under what circumstances an environmental hazard culminate in disaster.
 - (b) What type of preparedness is necessary in response of flood hazard ?
 - (c) Explore the linkage among vulnerability, risk and natural hazard.
 - (d) Specify various facts of 'Integrated disaster management' system.

Group—C

3. Answer any *two* questions from the following : 2×2

- (a) Differentiate *hydrological* drought from *crop* drought.
 - (b) What do you mean by 'Climate Migrants'?
 - (c) Give reasons for juvenile delinquency.
 - (d) Define *trauma* and *aftermath* of hazard.
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