

Roll No.....

Total No. of Units : 04

Total No. of Printed Pages : 03

Code No. : 03/106

Third Semester Examination, Dec. 2018

M.Sc. GEOLOGY

Paper - I

ENVIRONMENTAL GEOLOGY

Time : 3 Hrs.

Max. Marks : 80

- Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.
Part C (Short answer type) of each question will be answered in 200-250 words.
- Part D (Long answer type) of each question should be answered within the word limit 400-450.

Unit - I

Q.1 A. Define Environmental Geology. (2)

Q.1 B. What is ecosystem? (2)

Q.1 C. Write a note on transgression and regression of sea. (2)

OR

Discuss in brief about conservation of water resources.

Q.1 D. Describe the basic concepts of Environmental Geology. (12)

OR

Describe climatic changes on different time scales as understood by climatic proxies.

P.T.O.

(2)

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Unit - II

Q.2 A. What is tsunami? (2)

Q.2 B. Define geological hazards. (2)

Q.2 C. Mention the causes of desertification. (4)

OR

Write a note on coastal erosion.

Q.2 D. Define landslide. Discuss the causes and measures of mitigation of landslide. (12)

OR

Define earthquake. Discuss the causes of earthquakes. What are the steps to be taken that will minimise the loss due to earthquakes?

Unit - III

Q.3 A. What is acid mine drainage? (2)

Q.3 B. What is elastic rebound phenomenon? (2)

Q.3 C. Discuss in brief the changes in the earth surface due to construction of dams and reservoirs. (4)

OR

How do human settlements affect groundwater?

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Q.3 D. Describe the changes in surface and subsurface due to mining activity. (12)

OR

Give a detailed account on effect of human settlements on soil and atmosphere.

Unit - IV

Q.4 A. What is the definition of environment as per the Environmental Protection Act 1986? (2)

Q.4 B. Define greenhouse effect. (2)

Q.4 C. Write a note on problems of environment in urban areas. (4)

OR

Briefly discuss the environmental laws and their provisions.

Q.4 D. Describe the causes and impact of climate change. (12)

OR

What is Environment Impact Assessment Report? Describe the process of Environmental Impact Assessment.

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