

Seat No. : _____

NI-106

December-2015

B.Sc. Sem.-III

CC – 201 : Environmental Science

Time : 3 Hours]

[Max. Marks : 70

1. Answer the following : (any **two**) **14**
 - (1) Explain Earth crust, mantle and core.
 - (2) Describe plate tectonics and its types.
 - (3) Discuss characteristics of soil and its process of its formation.
 - (4) Write short note on subdivisions of Indian subcontinent.

2. Answer the following : (any **two**) **14**
 - (1) Explain metamorphic rocks with examples.
 - (2) Discuss rock cycle and classification of rock.
 - (3) Short note on igneous rocks.
 - (4) Describe distribution and abundance of minerals in the Earth.

3. Answer the following : (any **two**) **14**
 - (1) Explain exogenic process of the Earth.
 - (2) Write note on endogenic process of the Earth.
 - (3) Discuss glacier and its characteristics.
 - (4) Describe types of volcanoes with examples.

4. Answer the following : (any **two**) **14**
 - (1) Discuss Carbon cycle with diagram.
 - (2) Describe Nitrogen cycle with diagram.
 - (3) Explain bioprocess : fermentation and bio-degradation.
 - (4) Write note on estuary with examples.

5. Answer the following :

14

- (1) Define: asthenosphere.
 - (2) Write two main branches of soil science.
 - (3) Write differences between Lava and Magma.
 - (4) Name the bacteria playing role in Nitrogen cycle.
 - (5) Which instrument is used for measurement of Earthquake ?
 - (6) Enlist two types of geological folds.
 - (7) Define: Trade wind.
 - (8) What is fractional crystallization ?
 - (9) Define: crevasses.
 - (10) Give geological reasoning for formation of Himalyan ranges.
 - (11) Difference between solid waste and hazardous waste.
 - (12) Which instrument is used for measurement of rainfall.
 - (13) Difference between active faults and crevasses.
 - (14) Examples of any two xenobiotic compound.
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