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1006E589

Candidate's Seat No : _____

B.Sc. Sem.-2 Examination

CC-3 - 103

Environmental Science

June 2022

Time : 2-00 Hours]

[Max. Marks : 50

- Instructions:**
- (1) Draw figures where necessary.
 - (2) Show question number against each answer.
 - (3) Figures in right are marks.
 - (4) Answer any **Three** out of initial **Eight** main questions, Question No. 9 is compulsory.

Section – I

- Q1. (A) Explain Earth as unique celestial body. (7)
(B) Write a note on interior of Earth's crust, mantle and core. (7)
- Q2. (A) Explain the concept of biogeochemical Cycling. (7)
(B) Write a note on causes and remediation of natural & man-made geohazards. (7)
- Q3. (A) Detail note on classification of Rocks. (7)
(B) Explain soil characteristics and its formation. (7)
- Q4. (A) Write a note on tectonics of continental margins and shelves. (7)
(B) Explain geomorphological indicators and recurrent seismicity. (7)
- Q5. (A) Detail note on Impurities in drinking water: physical, chemical & biological. (7)
(B) Explain Hydrological cycle and its balance. (7)
- Q6. (A) Write down the properties of sea water. (7)
(B) What are tides and ocean currents? (7)
- Q7. (A) Detail note on chemical composition of Air and its particles. (7)
(B) Write a note on presence of oxygen in atmosphere. (7)
- Q8. (A) Explain in detail about seasons in India. (7)
(B) Explain thermochemical reactions in atmosphere. (7)

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Section - II

Q 9. Answer in short (any **Eight**):

(8)

- A. Define solar energy.
- B. What is geological formation of land?
- C. Difference between mantle and core.
- D. Types of rock.
- E. Define crystallization.
- F. Example of Igneous rock.
- G. Define sea floor spreading.
- H. What is tectonic plate?
- I. What are active faults?
- J. Difference between ocean and glacier.
- K. Give the name of two air pollutants.
- L. Name of GHG gases.

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