**2020/TDC(CBCS)/ODD/SEM/
EESHCC–303T/393**

TDC (CBCS) Odd Semester Exam., 2020
held in March, 2021

ECOLOGY AND ENVIRONMENTAL SCIENCE

(3rd Semester)

Course No. : EESHCC–303T

Full Marks : 50
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Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

1. Answer any *ten* of the following questions :

2×10=20

   (a) What is Greenhouse Effect?

   (b) What is the role of atmosphere for sustaining life in the biosphere?

(*Turn Over*)

(2)

(c) What are the three elements of Milankovitch cycle?

(d) What are the different layers of atmosphere?

(e) What causes monsoon in India?

(f) What do you understand by the term 'Western disturbances'?

(g) What is microclimate and which factors govern microclimate of an area?

(h) What is Southern oscillation?

(i) Name four main Greenhouse gases.

(j) Write four causes of global warming.

(k) What is climate change?

(l) What is sea level rise?

(m) Write down the importance of ozone layer.

(n) What is Chapman cycle?

(Continued)

(3)

(o) Why is ozone layer depletion more in Antarctic than Arctic region?

(p) What is ozone hole?

(q) What is the purpose of the United Nations Framework Convention on Climate Change?

(r) What do you understand by environmental policy?

(s) What is carbon trading?

(t) What is clean development mechanism?

SECTION—B

Answer any *five* questions : 6×5=30

2. Give a brief account of the evolution and development of Earth's atmosphere.

3. Discuss biosphere as a cybernetic system.

4. Explain El Niño and La Niña phenomenon.

5. Write a note on temperature inversion.

(Turn Over)

(4)

6. Write a note on atmospheric windows.

7. Describe the impact of climate change on atmosphere and weather patterns.

8. Explain the process of ozone layer depletion.

9. Write a note on ozone depleting substances (ODS) and their effects on ozone shield.

10. Write down the provisions of Montreal Protocol, 1987.

11. Write a note on Carbon Credit.

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