

B.Sc. 3rd Semester (Honours) Examination, 2019-20

ENVIRONMENTAL SCIENCE

Course ID : 31813

Course Code : SH/ENV/303/C-7

Course Title: Atmosphere and Global Climate Change (Theory)

Time: 1 Hour 15 Minutes

Full Marks: 25

The figures in the margin indicate full marks.

1. Answer *any five* of the following questions: 1×5=5
- (a) What do you mean by Green house effect?
 - (b) What is smog formation?
 - (c) What is the concept of temperature inversion?
 - (d) Which gases are known as green house gases (GHGs)?
 - (e) Why normal rain water is slightly acidic?
 - (f) Give an idea of Tropical cyclone like 'BUL BUL'.
 - (g) Mention the main objectives of Montreal Protocol.
 - (h) What is Chapman cycle?
2. Answer *any two* of the following questions: 5×2=10
- (a) Give a brief idea of the structure and function of Indian monsoon and its development. 5
 - (b) Discuss the various meteorological Parameters briefly. 5
 - (c) Write about the formation of different atmospheric particles including gases. 5
 - (d) Point out the principles of convention on climate change. 5
3. Answer *any one* of the following questions: 10×1=10
- (a) Discuss about the Ozone Layer depletion, its causes and negative impact on environment and Public health.
 - (b) Illustrate and sketch the atmospheric layers and discuss on it's composition.
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