

**BCA/BBA 1st Semester (Honours) Examination, 2019-20**

**ENVIRONMENTAL STUDIES**

**Course ID :**

**Course Code : ENVSAECC-1**

**Time 3 Hours**

**Full Marks: 80**

*The figures in the margin indicate full marks.  
Candidates are required to give their answers in their own words  
as far as practicable.*

**Group A**

**1. Answer all *ten* questions from the following: 1×10=10**

- (i) The controversial dam across the river Narmada
  - (a) Sardar Sarovar
  - (b) Hirakund
  - (c) Bhakra Nangal
  - (d) Sutlej
  - (e) None of these
- (ii) The phenomenon of accumulation of non-biodegradable pesticides in human beings—
  - (a) Biomagnification
  - (b) Bioaccumulation
  - (c) Biodegradation
  - (d) Bioremediation
  - (e) None of these
- (iii) Forests grow in high rainfall areas are
  - (a) Evergreen forests
  - (b) Temperate forests
  - (c) Conifers
  - (d) Tundra
  - (e) None of these
- (iv) Ex-situ conservation includes
  - (a) Zoo
  - (b) Botanic garden
  - (c) Germplasm bank
  - (d) All of these
  - (e) None of these
- (v) \_\_\_\_\_ is the degradation of land in arid, semi-arid and dry sub-humid areas.
  - (a) Land fertility
  - (b) Desertification
  - (c) Ecosystem
  - (d) Vegetation
  - (e) None of these

- (vi) Primary consumers are also called as
- (a) Herbivores (b) Carnivores  
(c) Enzymes (d) Catalyst  
(e) None of these
- (vii) Of the gases listed below, which is NOT believed to be responsible for enhancing the earth's greenhouse effect?
- (a) Chlorofluorocarbons (CFCs) (b) Molecular Oxygen (O<sub>2</sub>)  
(c) Nitrous Oxide (N<sub>2</sub>O) (d) Methane (CH<sub>4</sub>)  
(e) None of these
- (viii) Normally rain water is slightly
- (a) pure (b) acidic  
(c) toxic (d) oxidize  
(e) None of these
- (ix) First National Park in India \_\_\_\_\_ .
- (a) Jim Carbet National Park (b) Gir National Park  
(c) Bandipur National Park (d) Sundarbans  
(e) None of these
- (x) Which of the following three R's are regarded as environment friendly?
- (a) Reduce, Reuse, Recycle (b) Random, Reduce, Recall  
(c) Read, Register, Recall (d) Reduce, Rebuild, Restrict  
(e) None of these

**Group B**

2. Answer *any ten* from the following:

2×10=20

- (i) Define crop rotation.
- (ii) Give two example of water-borne diseases.
- (iii) What is global warming?
- (iv) Distinguish between *ex-situ* and *in-situ* conservation.
- (v) What do you meant by food chain? Give example.
- (vi) Full form of MIC and UNESCO.
- (vii) What do you mean by 10 per cent law?

- (viii) Arrange the following organisms according to the food chain:  
 (a) Frog (b) Hawk (c) Grass (d) Snake (e) Grasshopper
- (ix) What is Mess line or Aldrich Mess Line?
- (x) Define Sanctuary with example.
- (xi) What is acid rain?
- (xii) What do you mean by deforestation?
- (xiii) What is megadiversity countries?
- (xiv) Give two example of endangered species?
- (xv) What is  $\delta$  (Delta) diversity?

### Group C

3. Answer *any four* from the following: 5×4=20
- (i) Discuss the Narmada Project.
- (ii) Write short notes on Sanctuary and Reserve forest. 2½+2½=5
- (iii) What do you know about Deep ecology?
- (iv) Discuss need for wasteland development.
- (v) What can you do to save electricity?
- (vi) How can forest ecosystems be conserved?

### Group D

4. Answer *any three* from the following: 10×3=30
- (i) What is soil pollution? Briefly discuss the control of soil pollution. 2+8=10
- (ii) Write notes on—Ecological succession and Lithosphere 5+5=10
- (iii) Discuss the different types of forest in India.
- (iv) What do you know about 3Rs principle?
- (v) Write down what you know about greenhouse effect.
- (vi) What are the effects of ozone depletion?
-