

2013
(JUNE)
BACHELOR OF COMPUTER APPLICATIONS
(ENVIRONMENT AND ECOLOGY)
Paper No. 601
Full Mark: 75
Time: 3 hours

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

PART -A : OBJECTIVE
(Marks : 25)
SECTION - I

1. Tick (✓) the correct answer: (1X10=10)

i) Ozone layer acts as a natural sunscreen which protects life on this earth against

- a) Gamma rays ()
- b) Alpha rays ()
- c) Beta rays ()
- d) UV rays ()

ii) Chernobyl disaster is associated with

- a) Nuclear accident ()
- b) Landslide ()
- c) Earthquake ()
- d) Acid rain ()

iii) The present world population has just crossed

- a) 5 billion ()
- b) 6 billion ()
- c) 7 billion ()
- d) 8 billion ()

iv) Which state of the following has the highest population size in India

- a) UP ()
- b) Bihar ()
- c) Tamil Nadu ()
- d) Andhra Pradesh ()

v) World population day is on

- a) 11th July ()
- b) 5th June ()
- c) 29th April ()
- d) 23rd March ()

vi) Environment is derived from the French word

- a) Environner ()
- b) Environ ()
- c) Enviromeur ()
- d) None of these ()

vii) Trophic levels are formed by

-) a) Only animals ()
-) b) Only trees ()
-) c) Organisms linked in food chains ()
-) d) None of these ()

viii) The organisms which feed on dead organisms, wastes of living organisms are called,

-) a) Chemotrophs ()
-) b) Carnivores ()
-) c) Detritivores ()
-) d) Decomposers ()

ix) In food chains, the largest population is that of

-) a) Producers ()
-) b) Decomposers ()
-) c) Secondary Consumers ()
-) d) Primary Consumers ()

x) Which of the following is responsible for desertification?

-) a) Deforestation ()
-) b) Overgrazing ()
-) c) Mining ()
-) d) All of these ()

II. State whether True (T) or False (F).

(5X1=5)

- a) The first biosphere reserve to be established in 1986 in India was in the Sunderbans. ()
- b) Red Data Book includes the list of endangered species. ()
- c) Flooding in North Eastern Regions in India is mainly due to poor drainage facilities, heavy rains and Brahmaputra river. ()
- d) Coal is a renewable resource. ()
- e) Forest prevent soil erosion by binding soil particles in their buds. ()

=5)

SECTION II

III. Answer the following questions.

(5X2=10)

a) What is EL-Nino?

)
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b) Write a brief note on E-waste?

- c) Write a brief note on Malthusian doctrine.

.d) What is afforestation?

- e) Explain in brief watershed management.

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PART -B : DESCRIPTIVE

(Marks : 50)

Answer the following questions.

1. a) What do you understand by the term environment? Write note on eco-system (10)

OR

- b) Define ecology. Explain man's relationship with the environment. (10)
2. a) Explain energy flow in eco-system. (10)

OR

- b) Define food chain and food web in eco-system. (10)

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3. a) What is population growth? Explain concept of carrying capacity of environment. (10)

OR

- b) What is population density? Write a note on demographic transition. (10)

4. a) What do you mean by global warming? Explain green house gases. (10)

OR

- b) What is deforestation? Explain the major causes of deforestation. (10)

5. a) What is Bio-diversity? Mention the values of bio-diversity. (10)

OR

- b) Define Bishnio efforts. Write a note on chipko movement. (5)

- c) What do you mean by Natural resources. Write notes on shortages and over consumption of resources. (5)

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