

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE
AND ECONOMICS, PONDA - GOA
B.C.A (SEMESTER-I) SUPPLEMENTARY EXAMINATION,
MAY/JUNE 2018
ENVIRONMENTAL STUDIES

Duration: 90 Minutes

Marks: 25

Instruction to candidates:

1. All questions are compulsory.
2. Figures to the right indicate full marks

- Q.1. (a) Define the term environment. (1)
(b) Comment upon the need for public awareness on environment conservation. (4)

OR

- Q.1. (x) What is the composition of atmosphere? (1)
(y) Write an explanatory note on the multidisciplinary nature of environmental science. (4)

- Q.2. (a) What is water logging? (1)
(b) Differentiate between renewable and non-renewable natural resources. (4)

OR

- Q.2. (x) Name the macro and micro-nutrients required for the healthy growth of plants? (1)
(y) Name and discuss four major world food problems. (4)

- Q.3. (a) What is unsustainable development? (1)
(b) What are the different ways of conservation of water? (4)

OR

- Q.3. (x) What are the different categories of minerals? (1)
(y) Write short notes on (4)
i) Desertification
ii) Solar energy

- Q.4. (a) Define biodiversity? (1)
(b) Describe the structure of an ecosystem. (4)

OR

- Q.4. (x) What is a food web? Give an example. (1)
(y) Explain the importance of energy in an ecosystem and its routes of usage. (4)

- Q.5. (a) "The pyramid of energy always takes a true upright shape". Why? (1)
(b) Give characteristic features of grassland ecosystem. (4)

OR

- Q.5. (x) What is a trophic level? (1)
(y) Name and describe the characteristic features of various types of forest ecosystems. (4)