

Ramakrishna Mission Vidyamandira  
Belur Math # Howrah  
Second Year  
B.A/B.Sc. Third Semester Examination December 2012  
Environmental Studies

Date: 11-12-12  
Time: 12.30 pm – 2.00 pm

Full Marks: 40

Roll No..... Registration No.....

**1. Answer all the questions. Tick [✓] the correct answer**

**1x24 = 24**

- 1.1 Study of interaction between living organisms and environment is known as (a) ecology, (b) ecosystem, (c) eurology, (d) anthropology
- 1.2 Ecosystem involves (a) biotic and abiotic elements, (b) only biotic components, (c) only abiotic component, (d) biome only,
- 1.3 Total interaction of animals and plants, in any well defined area like pond is called (a) ecosystems, (b) biosphere, (c) hydrosphere, (d) biome.
- 1.4 The organisms at the base of the food chain are (a) carnivores, (b) herbivores, (c) decomposers, (d) producers
- 1.5 Phytoplankton refers to the floating plants like (a) organisms, 9b) bacteria in sea water, (c) dissolved saline in water, (d) none of these
- 1.6 Tidal power is a (a) renewable energy, (b) non-renewable energy, (c) renewable and partly non-renewable, (d) none of these
- 1.7 Geo-thermal energy is a (a) conventional resource, (b) non-conventional resource, (c) renewable resource (d) both non-conventional and renewable resource
- 1.8 Forests are important for (a) trees and animals, (b) renewable resources, (c) for industrial use only, (d) none of these
- 1.9 The forest conservation act in was enacted in (a) 1960, (b) 1970, (c) 1980, (d) 1990
- 1.10 Nuclear power is produced from (a) hydrocarbons, (b) nuclear fission, (c) the sun, (d) electrons
- 1.11 Sunlight can be converted into electricity through (a) photovoltaic cell, (b) Catalytic converters, (c) electrolytes, (d) none of the above

- 1.12 The solid waste produced by thermal power plants is called (a) humas, (b) coke, (c) fly ash (d) none of the above
- 1.13 Chipko movement originated in (a) Karnataka, (b) Uttar Pradesh, (c) Maharastra (d) Andhra Pradesh
- 1.14 A conventional clean source of energy is (a) coal, (b) petroleum, (c) wood, (d) hydroelectricity
- 1.15 Soil erosion is caused by (a) agricultural activities, (b) deforestation, (c) floods, (d) all of the above
- 1.16 State specific density in India is highest in (a) Kerala, (b) West Bengal, (c) Uttar Pradesh, (d) Punjab
- 1.17 Demography is the study of (a) human ecology, (b) human population, (c) human geography, (d) census
- 1.18 Dengu is spread by (a) Aedes aegypti, (b) Anopheles stephensi, (c) Culex quinquefasciatus, (d) none of the above
- 1.19 Which among the following is a producer (a) sparrow, (b) lion, (c) phytoplankton, (d) none of the above
- 1.20 The process through which an ecosystem tends to change over a period of time is called (a) Ecological succession, (b) Ecological niche, (c) Biological transformation, (d) all of the above
- 1.21 The root word "ecosystem" implies (a) pond, (b) house, (c) country, (d) continent
- 1.22 The basic unit of ecology is a (a) Population, (b) Individual, (c) Ecosystem, (d) none of the above
- 1.23 Human population in India at present is (a) 500 crores, 79 crores, (c) slightly higher than 100 crores, (d) more than 200 crores
- 1.24 Plants, animals, fungi and bacteria are examples of (a) biotic factors, abiotic factors, (c) antibiotic factors

**2. Answer any six questions**

**2 x 6 = 12**

- 2.1 What is meant by biopiracy?

2.2 What is Red Data Book?

2.3 Which ecosystem is considered to be nature's kidney? Write the main reasons.

2.4 What is meant by xenobiotics?

2.5 What is difference between an upright and inverted ecological pyramid?

2.6 What are the three basic components of demography?

2.7 What is crude birth rate?

2.8 What is an eligible couple with respect to demography?

~~2.9~~ 3. What are your suggestions to get rid of HIV/AIDS

4 x 1