

# Ba/Bc/Bs/EVS-501

2016

( 5th Semester )

## ENVIRONMENTAL STUDIES

Paper No. : EVS-501

Full Marks : 70

Pass Marks : 45%

Time : 3 hours

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

### SECTION—A

Put a Tick  mark against the correct answer in the box provided : 1×15=15

1. Many of the synthetic pesticides are

- (a) biodegradable
- (b) non-biodegradable
- (c) herbicides
- (d) fertilizers

2. Which of the following is a non-renewable resource?

- (a) Forest
- (b) Land
- (c) Water
- (d) Fossil fuel

3. Which among the following is a primary energy source in our life?

- (a) Biomass energy
- (b) Wind power
- (c) Solar power
- (d) Hydroelectric power

4. Faunal environment refers to

- (a) environment of animals
- (b) physical environment
- (c) environment of plants
- (d) None of the above

5. The organisms in the biological environment are mainly
- (a) producers
  - (b) decomposers
  - (c) macroconsumers
  - (d) All of the above
6. The 'Earth Day' is being observed on
- (a) April 18
  - (b) April 22
  - (c) June 5
  - (d) March 21
7. Oil in water affects fish by affecting
- (a) gills
  - (b) scales
  - (c) eyes
  - (d) None of the above

8. Itai-itai disease in Japan was caused by consumption of rice contaminated with
- (a) mercury
  - (b) iron
  - (c) zinc
  - (d) cadmium
9. The organisms which feed on dead organisms, wastes of living organisms are called
- (a) chemotrophs
  - (b) carnivores
  - (c) detritivores
  - (d) decomposers
10. The major consequence(s) of deforestation is/are
- (a) destruction of natural habitat of wild species
  - (b) disturbances in hydrological cycle
  - (c) soil erosion
  - (d) All of the above
11. Biological treatment of water pollution is done with the help of
- (a) phytoplanktons
  - (b) lichens
  - (c) fungi
  - (d) All of the above

12. The largest maize producer of the world is
- (a) China
  - (b) The USA
  - (c) Mexico
  - (d) Brazil
13. The thermal pollution of water bodies is due to the discharge of
- (a) chemical from the industries
  - (b) agricultural runoff
  - (c) hot water from power plants
  - (d) water from mining
14. Chemicals or agents that cause cancer are called
- (a) carcinogen
  - (b) mutagen
  - (c) teratogen
  - (d) neurotoxin
15. Excessive irrigation of soil leads to
- (a) soil pollution
  - (b) flood
  - (c) soil erosion
  - (d) waterlogging

SECTION—B

**(A)** Answer the following questions not exceeding  
100 words each : 2×5=10

1. What is consumptive use value of biodiversity?

2. What is the importance of value education in achieving a new sustainable way of life?

3. What are the ill-effects of population explosion on environment?

4. Give the role of decomposers in an environment.

5. How can AIDS be prevented?

(B) Answer the following questions not exceeding 250 words each (any *three*) : 5×3=15

1. Define biodiversity. What are the major bio-geographical zones of India? 5

2. Discuss various issues and measures for women and child at international and national level. 5

3. What is air pollution? Discuss major sources of pollutants causing pollution in air.

5

4. Distinguish between renewable and non-renewable resources.

5

5. What is meant by population explosion? Discuss the family welfare and family planning programme in Indian context.

5

(C) Answer any *three* of the following :

10×3=30

1. What is ENVIS? Discuss about the role of information technology in conserving environment.

2+8=10

2. What is the scope of environmental studies? How can the environment be better protected by creating public awareness campaigns? 5+5=10

3. Discuss the major uses of forest. What are the causes and consequences of deforestation? 3+7=10

4. Define noise pollution. What are its adverse effects? How can the noise pollution be controlled? 3+3½+3½=10

5. What are the environmental impacts of groundwater usage? Briefly discuss droughts and floods with respect to their occurrence and impacts.

3+7=10