

**MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR**  
**SEMESTER END THEORY EXAMINATION, B.Tech. (D.T.) Degree Course 2016-17**

Semester	: I (V Dean)	Academic Year	: 2016-2017
Course No.	: DBM-104	Course Title	: Environmental Studies
Credits	: 1+1=2	Total Marks	: 50
Day & Date	: Thursday, 05/01/2017	Time	: 11.00 to 13.00 Hrs.

- Note :**
- 1) All questions from **Section 'A'** are compulsory.
  - 2) Solve **Any Three** questions from **Section 'B'**.
  - 3) Draw neat and well labeled diagram wherever necessary.

**SECTION – 'A'**

- Q. 1 A) Define the following. (05)
- i) Food chain
  - ii) Food web
  - iii) Pollution.
  - iv) Pollutants
  - v) Radioactive pollution
- B) Do as directed. (05)
- i) Define Natural resource
  - ii) Explain noise pollution
  - iii) Explain mitigating global warming
  - iv) Give examples of gaseous, liquid and solid pollutants.
  - v) What is nonconventional sources of energy
- Q. 2 A) State whether True or False. If false, rewrite the statement after making necessary corrections. (05)
- i) Greenhouse gases which is present in very high quantity is carbon dioxide.
  - ii) Number of atoms in ozone molecules are two.
  - iii) Layer which saves life from harmful effects of UV radiations is known as ozone layer.
  - iv) Freshwater present around the world is about three percent.
  - v) UV rays trapped on the earth's surface by the green house gases.
- B) Choose the most appropriate answer from the options given below. (05)
- i) Sulphur oxide is emitted from .....
    - a) Burning of fossil fuels
    - b) Burning of incomplete wood
    - c) Vehicles
    - d) Both a and b.
  - ii) Which is not considered as naturally occurring greenhouse gas is .....
    - a) methane
    - b) carbon dioxide
    - c) nitrous oxide
    - d) ethane
  - iii) In which one of the following source, sound travels fast through .....
    - a) Solid
    - b) Water
    - c) Vacuum
    - d) Air

**(P.T.O.)**

- iv) Layer of atmosphere in which Ozone layer lies is .....
- |                |                 |
|----------------|-----------------|
| a) Exosphere   | b) Mesosphere   |
| c) Troposphere | d) Stratosphere |
- v) ..... is the abiotic components.
- |          |            |
|----------|------------|
| a) Algae | b) Sulphur |
| c) Grass | d) Fish    |

**SECTION –‘B’**

- Q. 3 A) Explain in details the layers of atmosphere. (05)  
B) Describe in detail nitrogen and water cycle along with diagrammatical representations. (05)
- Q. 4 A) Explain in details the layers of lithosphere. (05)  
B) Give the cause, effect and control measures of noise pollution. (05)
- Q. 5 A) Explain the chemical oxygen demand. (03)  
B) Write a note on abiotic component of ecosystems. (03)  
C) Give the cause, effect and control measures of air pollution. (04)
- Q. 6 A) Write a note on “Forest resource” (03)  
B) Describe the effect of acid rain. (03)  
C) Give the cause, effect and control measures of radioactive pollution. (04)
- Q. 7 Explain the objective, scope and importance of environmental studies. (10)

\*\*\*