



Reg. No. : .....

Name : .....

VI Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.M./B.C.A./B.S.W./  
B.A. Afsal-UI-Ulama Degree (CCSS – Reg./Supple./Improv.)

Examination, May 2014

Open Course

6D02 CHE : ENVIRONMENTAL STUDIES

Time : 2 Hours

Max. Weightage : 20

PART – A

This Part consists of **two** bunches of questions carrying **equal** weightage of **one**.  
**Each** bunch consists of **four** objective type of questions. Answer **all** questions.

- I. 1) World Environment Day is celebrated on
    - a) 5<sup>th</sup> June
    - b) 9<sup>th</sup> July
    - c) 28<sup>th</sup> February
    - d) 26<sup>th</sup> January
  - 2) Smog is a mixture of
    - a) smoke and carbon
    - b) smoke and fog
    - c) smoke and CO
    - d) smoke and SO<sub>2</sub>
  - 3) Auto emissions are controlled by using \_\_\_\_\_
    - a) oxygen stream in exhaust pipes
    - b) catalytic converters in engines
    - c) replacing petrol and diesel by alcohol
    - d) leaded petrol
  - 4) The protection blanket of gases surrounding the earth
    - a) Sun
    - b) Solar System
    - c) Atmosphere
    - d) Ecosphere
- (W = 1)**
- II. 5) Minamata Disease is caused by
    - a) mercury poisoning
    - b) lead poisoning
    - c) pesticide poisoning
    - d) fertilizer poisoning



- 6) Sunlight is directly converted to electricity by  
 a) inverter                      b) motor  
 c) battery                        d) photovoltaic cell
- 7) Chemicals used for killing weeds and undesirable vegetation  
 a) fertilizer                      b) pesticide  
 c) herbicide                      d) fungicide
- 8) The parasite responsible for malaria in man  
 a) Rhizobium                    b) Penicillium  
 c) Papilloma virus              d) Plasmodium

(W = 1)

## PART - B

(Answer **any six** questions in **one** or **two** sentences **each**. **Each** carries a weightage of 1):

9. What is hydrosphere ?
10. What is TLV ?
11. Define the term: Particulates. Give examples.
12. What are organic water pollutants ? How do they cause water pollution ?
13. What is bioaccumulation ?
14. Suggest two methods to purify industrial waste water.
15. What is thermal pollution ?
16. Name any four non conventional energy resources.
17. What is dengue fever ? How can its outbreak be prevented ?
18. What is DDT ?

(W : 6×1=6)

## PART - C

(Answer **any 4** questions. Answer not to exceed **one** page. **Each** carries a weightage of 2):

19. What is lithosphere ? Discuss the different soil zones.
20. What is ozone umbrella ? How do fluorocarbons affect it ?



21. Human activities are partly responsible for climate change. Do you agree ?  
 Give reason.
22. What are green house gases ?
23. Write a note on fossil fuels.
24. Discuss the hazards caused by noise pollution.
25. What are carcinogens ?
26. What are the adverse effects of acid rains ?

(W : 4×2=8)

## PART - D

(Answer **any 1** question. **Each** carries a weightage of 4):

27. Give an account of noise pollution and how it can be controlled.
28. "Carbon dioxide is a non pollutant; but it is of much environmental concern".  
 Explain with reference to green house effect.
29. Discuss the importance of tapping solar energy for the future of India.

(W : 1×4=4)