



M 8246

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-Ul-Ulama Degree (CCSS – Reg./Supple./Improv.)

Examination, May 2015

(2010 Admn. Onwards)

OPEN COURSE

6D02 CHE : Environmental Studies

Time: 2 Hours

Max. Weightage : 20

PART – A

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

- I. 1. _____ metal act as enzyme inhibitors.
a) Na^+ b) Hg^{2+} c) K^+ d) All of these
2. Among the following _____ is an example of secondary pollutant.
a) Co b) NO_2 c) O_3 d) SO_2
3. The major hydrocarbon produced by anaerobic decomposition of organic matter by microorganism is _____.
a) Butane b) Methane
c) Ethylene d) Acetylene
4. _____ test is commonly used to evaluate the pollution strength of waste water.
a) Combustion b) Absorption
c) BOD d) All of these (W=1)
- II. 5. _____ equipment is used for measuring the noise level.
a) Sound level meter b) Cassette recorder
c) Magnetic tape recorder d) All of these

P.T.O.



6. The average temperature range of stratosphere is _____
 a) 15°C to 56°C b) -56°C to -2°C
 c) -2°C to -92°C d) -92°C to 1200°C
7. To destroy the pathogenic microorganisms, water is sterilised by _____
 a) Aeration b) Coagulation
 c) Chlorination d) None of these
8. _____ is used for the treatment of cancer.
 a) Chemotherapy b) Surgery
 c) Radiation therapy d) All of these

(W=1)

PART – B

Answer **any six** questions in **one** or **two** sentences **each**. Each question carries a weightage of **one**.

9. Biomass energy is considered to be another form of indirect use of solar energy. Give reason.
10. What is the importance of ozone layer ?
11. What are biosensors ?
12. List any four heavy metals present in paint industry.
13. What are vector borne diseases ?
14. What is the role of environmental biotechnology ?
15. Give an example of biological deodourisation.
16. List four examples of primary sources of energy.
17. What is itai-itai diseases ?
18. List any two adverse effect due to chemicals in food.

(6×1=6)



PART – C

Answer **any four** questions. Each carries a weightage of **2**. Answer do **not** exceed **one** page.

19. Explain the serious problems associated with hydropower.
20. Write short note on solar pond.
21. Explain the control of pollution using bioremediation.
22. Narrate the toxic effect of the ions of lead and mercury.
23. What is the physiological effect of noise ?
24. Explain different methods used to control gaseous pollutants.
25. How are water pollutants classified ? Give suitable examples.
26. Describe the principle involved in the determination of dissolved oxygen in water.

(4×2=8)

PART – D

Answer **any one**. Each question carries a weightage of **four**.

27. Narrate the various approaches used to control soil pollution.
28. Describe the characteristics of different environmental segments.
29. Explain the characteristics and effects of waste water arises due to industrial effluents.

(1×4=4)