

16/12/17

**DOON UNIVERSITY, DEHRADUN**  
**FINAL EXAMINATION 2017-18 First Semester**  
**EES-110: Environmental Studies**  
**School of Physical sciences**

**M.Sc. Integrated (Physics/ chemistry/ mathematics/ computer science)**

**Time: 2:00 hours**

**Maximum Marks :30**

**Note: Attempt Questions from all sections :A,B,C**

**SECTION : A (Objective Type Questions ) Attempt all (Marks : 12x0.5=6)**

- Q1.** Which of the following is not a green house gas?  
a) Phosphorus b) CFCs c) Methane d) Nitrous oxide
- Q2.** Biomass energy can be obtained from –  
a) Energy plantation b) petro crop c) agricultural waste d) all of these
- Q3.** Coal is mainly present in –  
a) Bihar & west Bengal b) Rajasthan & M.P. c) goa & M.P. d) bihar & rajasthan
- Q4.** Conventional sources of energy includes-  
a) Hydroelectricity b) wind energy c) solar energy d) geothermal energy
- Q5.** Wind mills are mainly present in –  
a) Japan b) Denmark c) Norway d) Germany
- Q6.** Which of the following is not influenced by human activities ?  
a) Depletion of ground water b) destruction of mangroves and wetlands  
c) increased extinction rates of species d) none
- Q7.** Both power and manure is provided by  
a) nuclear plants b) thermal plants c) biogas plants d) hydroelectric plants
- Q8.** Biomedical waste management is –  
a) incineration b) autoclaving c) both d) none
- Q9.** Air pollution from automobiles can be controlled by fitting –  
a) electrostatic precipitator b) wet collector c) catalytic converter d) all
- Q10.** Which of the following conceptual spheres of the environment is having the least storage capacity for matter?  
a) Atmosphere b) Hydrosphere c) Lithosphere d) Biosphere
- Q11.** Increase in fauna and decrease in flora would be harmful due to increase in-  
a) diseases b) carbon di oxide c) oxygen d) radioactive pollution
- Q12.** Blue baby syndrome is caused by the contamination of water due to –  
(a) phosphate b) sulphur c) cadmium d) nitrates

**Section B : Short answer type questions. (Attempt all)**

**(Marks :4x4=16)**

**Q1.** Differentiate between the following :

- a) Primary and secondary pollutant
- b) Smoke and fumes

**Q2.** Explain in detail any two non-conventional sources of energy.

**Q3.** Write note on : a) Acid rain b) Environmental ethics

**Q4.** Briefly describe, “The Environmental Protection ACT”.

**SECTION : C (Long Answer Type Questions ) Attempt any one(Marks : 1x8=8)**

**Q1.** What is water pollution ? Differentiate between the point and diffused sources of water pollution .What are the major effects of water pollution and what control measures can be taken for controlling water pollution ?

**Q2.** Explain them : a) Global Warming                      b) Benefits of Forest resource