

14-12-2015

DOON UNIVERSITY, DEHRADUN
Final Examination, First Semester, 2015-2016
School of Social Sciences / Physical Sciences / Design
MSc. Integrated First Semester
EES-110: Environmental Studies

Time: 2:00 hours

Maximum Marks :30

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

SECTION : A (Objective Type Questions) Attempt all (Marks : 18 x0.5 =9)

Q1. 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

Q2. Which of the following statements about forest is not correct ?

- a) forest reduces soil erosion b) provides recreational opportunities
c) provides a source of economic development d) none

Q3 Deforestation generally decreases –

- a) drought b) soil erosion c) rainfall d) global warming

Q4. The major green house gas is –

- a) ozone b) CFCs c) methane d) carbon dioxide

Q5. Thinning of ozone layer is maximum in-

- a) Antarctica b) Europe c) Arctic d) Africa

Q6. Which of the following is a disadvantage of most of the renewable energy sources ?

- a) Highly polluting b) high waste disposal cost c) unreliable supply d) high running cost

Q7. Wind mills are mainly present in –

- a) Japan b) Denmark c) Norway d) Germany

Q8. Conventional sources of energy includes-

- a) Hydroelectricity b) wind energy c) solar energy d) geothermal energy

Q9. Biomass energy can be obtained from –

- a) Energy plantation b) petro crop c) agricultural waste d) all of these

Q10. The resources which can be generated continuously in nature is called –

- a) exhaustible b) inexhaustible c) conventional d) none

Q11. Hydropower is –

- a) Conventional renewable energy source b) nonconventional energy source
b) c) nonrenewable energy source d) none

Q12. Solar energy technology comprises of –

- Thermal conversion b) Photo conversion c) both d) none

Q13. Cryopreservation of plants seed and pollen is done at a very low temperature by using-

- a) Ice b) Carbon tetrachloride c) Liquid nitrogen d) Ammonia

Q14. Which of the following is an endemic species of India ?

a) asian elephant b) panda c) whales d) lion-tailed macaque

Q15. Air pollution from automobiles can be controlled by fitting –

a) electrostatic precipitator b) wet collector c) catalytic converter d) all

Q16 How many biosphere reserves are present in Uttarakhand State ?

a) 2 b) 3 c) 1 d) 6

Q17 Blue baby syndrome is caused by the contamination of water due to –

(a) phosphate b) sulphur c) cadmium d) nitrates

Q18. Species which are restricted only to a particular area are known as –

a) Extinct b) Endemic c) Vulnerable d) none

SECTION : B (Short Answer Type Questions) Attempt any three (Marks : 3x3=9)

Q1. What are the reasons behind depletion of ozone layer in the atmosphere ? Explain the ill-effects of ozone depletion .

Q2. Write note on :

a) Global warming

b) Solar energy

Q3. Explain the various sources of pollution .Discuss the control of air pollution.

Q4. Differentiate between the following with suitable examples :

a) Primary and secondary pollutants

b) Point and non-point sources

c) In-situ and Ex-situ conservation of biodiversity

SECTION : C (Long Answer Type Questions) Attempt any two (Marks : 6x2=12)

Q1. What are natural resources ? How will you classify natural resources ? Define forest resources and explain the direct and indirect benefits of forests ?

Q2. Give classification of solid wastes .Enumerate the causes of solid waste pollution .Define solid waste management .

Q3. How will you classify the pollutants ? Briefly write about the major sources of noise pollution. What are the effects of noise at physical , physiological and psychological level ?