

DOON UNIVERSITY, DEHRADUN
Mid-Term Examination , Second Semester, 2016-2017
School of Communication, MA integrated
COMM-155: 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)

(10x0.5 =5)

Q1. The zone of biosphere reserve which is legally protected , where human activity is not permitted-

- a) buffer zone b) manipulation zone c) core zone d) none

Q2. Species which are restricted only to a particular area are known as –

- a) Rare b) Endemic c) Vulnerable d) Exotic

Q3. Which of the following conceptual spheres of the environment is having the least storage capacity for living matter?

- a) Atmosphere b) Hydrosphere c) Lithosphere d) Biosphere

Q4. Earth's environment is mainly influenced by which forms of solar energy

- a) Light & heat b) X-rays & Y-rays c) UV radiations d) low & high frequency radiations

Q5. Primary component in Biogeochemical cycle is

- a) Human beings b) large animals c) water d) plants and microbes

Q6. Which of the following National Parks do not have tigers as their main wildlife –

- a) Gir b) Corbett c) Dudwa d) Ranthambore

Q7. Function of ecosystem is-

- a) flow of chemical nutrients b) flow of various gases
 c) flow of water d) none

Q8. Western Ghats are very rich in endemic species of –

- a) Birds b) Lions c) Amphibians d) Turtles

Q9. Hot spots are regions of high-

- a) Rarity b) endemism c) critically endangered population d) diversity

Q10. Among the ecosystem mentioned below ,where can one find maximum biodiversity?

- a) Desert b) mangrove forest c) coral reefs d) alpine meadows

SECTION B : Attempt all questions .

(3x5=15)

Q1. Define food web . Why is the concept of food web is more real ecologically than the concept of a simple food chain.

Q2. Describe the energy flow in an ecosystem . “The flow of energy is one way and continuous in an ecosystem .” Justify

Q3. Write note on – a) Pond ecosystem b) Indirect values of biodiversity

SECTION C : Attempt any one question .

(1x10=10)

Q1. What are the main objectives of conservation of biodiversity? Discuss the strategies for conservation of biodiversity.

Q2. Explain them with suitable example –

- a) Endangered species b) Nitrogen cycle c) Biosphere reserves d) Ecological pyramids