

5/4/2016

DOON UNIVERSITY, DEHRADUN

Mid –Term Examination, Second Semester,2015-2016

School of Mass 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 (Marks : 10x0.5=5)

1.Environment involves the interaction between-

- a) Air, water, and living organism b) Air, water,land and living organism c)Air,and water d) None of these

2. Which of the following is not an abiotic factor-

- a) Solar radiations b) Bacteria c) Soil texture d) Carbon

3.Function of ecosystem is-

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

4.Primary component in Biogeochemical cycle is

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

5..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

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

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

7.Most plants absorb nitrogen from the soil in the form of –

- a) nitrites b) nitrate c) ammonia d) free nitrogen

8. The tropical grasslands in Africa with tall grasses scattered with shrubs or stunted trees are called –

- a) Pampas b) Steppes c) Prairies d) none of these

9. Gross primary productivity is the highest in –

- a) Open oceans b) Grasslands c) Wet tropical forests d) Agroecosystem

10. Kaziranga National Park is famous for –

- a) One-horned rhino b) Hangul c) Tiger d) Elephant

SECTION : B (Short Answer Type Questions) Attempt all (Marks : 3x4=12)

Q1. How energy can flow in an ecosystem? Explain it .

Q2. Define ecological succession and explain the process of succession.

Q3. Write note on-

- a) Direct value of biodiversity b) productivity of an ecosystem

SECTION : C (Long Answer Type Questions) Attempt any two (Marks : 2x6.5=13)

Q1. Define biogeochemical cycles. How nitrogen circulates in various segments of environment?

Q2. Describe the types and characteristics features of a forest ecosystem :

Q3. What is Red Data Book ? What do you mean by extinct, endangered , endemic and rare species ? Give suitable examples .