

10/12/2012



DOON UNIVERSITY, DEHRADUN
Semester Final Examination, Third Semester, 2012
School of Environment & Natural Resources

M.Sc. Environmental Science (Natural Resource Management)
Course: EES – 555: Biological Resource Management

Time Allowed: 3 Hours *Maximum Marks: 50*
Note: Attempt Questions from All Sections: A, B, C.

SECTION: A. Short Answer type questions. Attempt any SIX Questions. *(Marks: 6 x 2.0 = 12)*

1. What is Agroforestry? Why it has gained importance in present scenario?
2. Why malnutrition and hunger is not always due to food scarcity?
3. What is the good and bad news associated with food production.
4. What are the environmental impacts of food production?
5. How sustainable development can be achieved?
6. Fundamental duties of citizen in the Constitution of India with respect to environment.
7. Value education and Environmental Ethics.
8. What are wildlife resources? How wildlife can help in boosting nations economy.

SECTION: B. (Answer limit – 250-300 words). Attempt any THREE Questions. *(Marks: 3 x 6.0 = 18)*

1. Give an account of lack of sustainability of modern society with respect to biological resources
2. Give an account of exploitation of biological resources during “The phase of plant and animal domestication, pastoralism and settled agriculture”.
3. What are steps involved in producing transgenic plants? Discuss how they can be exploited for the benefit of mankind.
4. What are marine resources? Discuss how marine resources play their role in food security in our country.
5. Write short note on forest resources of India and their status as per FSR 2011.

SECTION: C (Answer limit – 750 words).. Answer any TWO Questions *(Marks: 2 x 10 = 20)*

1. What were the success and failures of first green revolution? Discuss how Second Green revolution can play important role in ensuring the sustainable livelihood security of small and marginal farmers.
2. What is aquaculture? Discuss different types of aquaculture systems and their integrated management Practices.
3. What does a genetic resource mean? Why are genetic resources useful? Discuss their use by different sectors in India.