



**DOON UNIVERSITY, DEHRADUN**

**Semester Final Examination, First Semester, 2012**

**School of Environment & Natural Resources**

**M.Sc. Environmental Science (Natural Resource Management)**

**Course: ENR – 514: Forest Ecosystem & Management**

*Time Allowed:-3 Hours*

*Maximum Marks: 50*

*Note: Attempt All Questions from Sections A,B,C.*

**SECTION: A (Short Answer Type Questions/ to be answered in about 25 words). Attempt any TEN Questions.**

*(Marks: 1x10=10)*

1. What are the major forest biomes on earth? Where are tropical forests located on the earth?
2. How trees are classified based on crown?
3. What is Agroforestry?
4. Name the forest based on crown density.
5. Name the forest types which are found in Uttarakhand.
6. Differentiate between surface fire and crown fire.
7. Differentiate between autotrophic and heterotrophic succession.
8. Name some invasive species threatening forest ecosystem.
9. Differentiate between Annexure I and Annexure II Countries.
10. Which top five states of India having highest percentage of geographical area under forest cover?
11. Which region of India is rich in forest cover? Name the states falling under this region.
12. Which tree species are considered as Super trees and Why?

**SECTION: B (Long Answer Type Questions to be answered in about 250 words.) Attempt any FIVE Questions.**

*(Marks: 5x5 =25)*

1. What is GIM? Discuss how GIM is being implemented in India and its role in forest management.
2. What is the unique system of forest management specific to Uttarakhand? How the system has evolved with time?
3. Discuss the role of Sacred Groves in Forest Management.
4. What are C&I? Discuss the Bhopal India Process in the context of C&I.
5. What do you understand by CDM? Discuss why forestry sector can also be part of CDM mechanism?
6. Differentiate between REDD & REDD Plus. What are the difficulties in implementing REDD in Country like India.