

5/12/16

School of Environment & Natural Resources
Doon University

M.Sc Environmental Science (NRM): First Semester
End Semester Examination, December, 2016

Course Code ENR 514, Course Name: Forest Ecosystem & Management

Time: 3 Hours

Marks: 30

Section A: Short Questions. Answer any five (1x5= 5)

- Q1. Differentiate between exogenous and endogenous disturbances in forest.
- Q2. Discuss the significance of El-Nino & La-Nina years in forest fires.
- Q3. What is chain of custody?
- Q4. What is different forest types based on forest cover?
- Q5. Name few agencies which work on forest management nationally and internationally.
- Q6. How many laws are there in a social system?
- Q7. What is the difference between gross primary productivity and net primary productivity?
- Q8. Differentiate between succession & retrogression.

Section B: Medium Type Questions. Answer any Five (3x5=15).

- Q1. What are Van Panchayats? Discuss the mode of functioning of Van Panchayats and their role in forest conservation.
- Q2. Why forest certification is need of time? Substantiate with examples?
- Q3. What are NTFPs? Discuss the dependencies of people living in forest fringes on NTFPs.
- Q4. What are Sacred Groves? Discuss their role in conservation.
- Q5. What is JFM? Discuss its pros and cons.
- Q6. What are Invasive species? Why they are threat to forest Ecosystem?
- Q7. What is Fujita Scale? Discuss about it.

Section C: Long Questions. Answer any two (2x5=10)

- Q1. What are forest fires? Discuss the role of forest fires in shaping the ecosystem with examples.
- Q2. What is succession? Discuss the mechanism of succession citing the example from any forest type.
- Q3. Write about forest classification according to their, girth, class and administration.
- Q4. Write a note on Forest policy of 1894. What were its major drawbacks?