

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Forestry 2013 Admission
Vth Semester Final - Examination- Januaray-2016

Cat. No: Fmau.3108
Title: Forest Protection (1+1)

Marks: 50.00
Time: 2 hours

I Write the answers of the following questions

Match the following

(10 x 1=10)

- | | |
|---|-------------------------------|
| 1. Watch towers | a) Detection of forest fires |
| 2. Tectona grandis | b) Effect of drought |
| 3. <i>Vitex negundo</i> in teak forests | c) 1980 |
| 4. Stage headed trees | d) <i>Hyblaea peura</i> |
| 5. Forest Conservation Act | e) Great risk of forest fires |
| | f) 1894 |

Give definition of the following terms

6. Deforestation
7. Lopping
8. Grazing animals
9. Poaching
10. Crown fire

II Write short notes on any FIVE questions

(5 x 2=10)

1. Which are the modern fire fighting methods
2. What are adverse effects due to removal of leaf litter from the forest
3. Which tools are required in fire fighting
4. What legislative measures may be followed to prevent poaching
5. Whether shifting cultivation is still continued ?Give reasons
6. What is stall feeding ?What are its advantages
7. What type of publicity needs to be given to prevent damage by illicit felling

III Write short essay on any FIVE questions

(5 x 4=20)

1. List any five historical evidences for serious damage to forest
2. How the forest fires are detected by using remote sensing and GIS data
3. What are live fences? Give examples
4. Write in brief on biological properties of fire affected forest soil
5. Describe damage by wild pigs and porcupines to forest trees

6. Distinguish between internal fire lines and external fire lines
7. How the genuine demands of villagers may be met to minimize lopping of trees

IV Write essay on any ONE

(1 x 10=10)

1. List damages caused by forest fires and explain any two of them. Describe in brief 'Early burning' and 'Counter firing' as preventive and remedial measures, respectively for overcoming damage due to forest fires
2. What is grazing capacity? Write in brief on relationship between grazing capacity and type of forest and rain fall quantity received