



**KERALA AGRICULTURAL UNIVERSITY**

**B.Sc.(Hons).Forestry 2016 Admission**

**IV Semester Final Examination-July 2018**

**Narm 2205**

**Forest Management (2+1)**

**Marks: 50**

**Time: 2 hours**

**I Match the following. (10x1=10)**

- |    |   |    |                    |
|----|---|----|--------------------|
| 1  | Functional classification of Forests    | A. | Working Plan       |
| 2  | Main territorial division of the forest | B. | D.F.O              |
| 3  | Forest capital                          | C. | Reserved forests   |
| 4  | National Commission on Agriculture      | D. | CAI                |
| 5  | Kingpin of Forest Administration        | E. | Block              |
| 6  | Instrument of Forest Management         | F. | Protection forests |
| 7  | Highest Net Returns                     | G. | Growing stock      |
| 8  | Legal classification of Forests         | H. | Economic Rotation  |
| 9  | Increment in a particular year          | I. | Cutting Section    |
| 10 | A sub division of Felling Series        | J. | 1976               |

**II Write short notes/answers etc on ANY FIVE (5x2=10)**

- 1 Criteria and indicators of SFM.
- 2 Micro plan
- 3 Progressive yield.
- 4 Types of yield
- 5 Scope of working plan
- 6 JFPM
- 7 Community forestry

**III Answer any FIVE of the following. (5x4=20)**

- 1 Differentiate between sustained yield and progressive yield.
- 2 What is De-Liocourt's law and write its formula?
- 3 What is working plan? Write its objectives.
- 4 Define the increment and give an account on CAI and MAI with graphical representation.
- 5 List out the different type of maps prepared by W.P.O.
- 6 Scope of forest management.
- 7 The volume at the age of 50 years yielded 3500 c.f.t. and at the age of 60 years gave 4500 c.f.t. and thinning at the age of 55 year gave 600 c.f.t., and then calculate P.A.I., M.A.I and I.P.

**IV Write an essay on any ONE of the following (1x10=10)**

- 1 Define normal forest? What are the basic features of normality and kinds of abnormalities?
- 2 Define rotation? Explain the different types of rotations and factors affecting length of rotation.

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