

RDL 700 Biomass Production

MAJOR TEST

Max. Mark: 45

Date: 03/05/2007

Hrs: 3.30pm – 5.30pm

PART A

- Q.1. (a) What do you understand by Medicinal Plants? Give some examples. 2.5
(b) Write the classification of Medicinal Plants. 2.5
(c) How are these plants useful from health care system point of view in India? 2.5
(7.5)
- Q.2. What do you mean by Non Timber Forest Produce (NTFP) ? Explain the importance NTFP for employment generation in Rural/Forest Area. (5)
- Q. 3. Write a brief account of Social Forestry especially reference to village Economy. (5)
- Q.4. Write short notes on any three of the following; 2.5 × 3
(a) Herbal Medicine
(b) Nutraceuticals
(c) Cosmoceuticals
(d) Floriculture
(e) Value added Products from Aromatic Plants
(7.5)

PART B

Q.5. (A) Clear and explain (with examples) the following;

- (i) Binary and straight fertilizers 2
- (ii) Murate of potash 1

(B) Write the residual effects of;

- (i) Nitrate fertilizers 1/2
- (ii) Ammonical fertilizers 1/2

(C) Give the examples of the following;

- (i) Citric acid soluble phosphatic fertilizer 1/2
- (ii) Water soluble phosphatic fertilizer 1/2

(5)

Q. 6. (A) Define bioinoculants / biofertilizers. What do you understand by VAM ?
and why it is known nowadays as AM ? 3

(B) Describe various potential aspects and culture methods of AMF. 4

Or

Discuss different climatic and other factors affecting mycorrhizal development.

Also give three points of ectomycorrhiza which differs from endomycorrhiza. 4

(7)

Q. 7. (A) Differentiate; 1×3

- (i) Monocots from dicots
- (ii) Soil fertility from productivity.
- (iii) Seed viability and seed dormancy

(B) Discuss (briefly) the various treatments used to stimulate seed germination. 3

(C) Justify the following answer by giving valid reasons, why-

- (i) phytobiomass based technologies are suitable for our country (India)? 1
- (ii) biofertilizers are considered superior over chemical fertilizers? 1

(8)