

B.B.A.(Forest Management and Eco-Tourism) CBCS Pattern Sem-I
004 - Paper-I : Forest Management And Plantation Forestry

P. Pages : 2

Time : Three Hours



GUG/W/22/14290

Max. Marks : 70

Either

1. a) Write a Short Note on 'Sustainable Yield' of Forest. Why is it essential in Forest Management. 7

OR

- b) Make a list of forest management principles and write their applications in brief. 7
- c) Define 'Normal Forest'. How is it useful in the measurement of forests? 7

OR

- d) Explain in brief: Above Ground Biomass and Below Ground Biomass. How is it calculated or measured? 7
- e) Write briefly about 'factors determining the rate and scale of the plantation'. 7

OR

- f) Write the procedure to select suitable land for specific purposes. 7
- g) Write in brief about 'Prospects and Challenges for the Emerging Timber Import Market in India'. 7

OR

- h) Write about the possible problems and solution of NTFP (Non-Timber Forest Produce) based Livelihoods in the Gadchiroli Region using one of the PRA methods called 'Problem-Solution Tree'. 7

Either

2. a) Write a Short Note on 'Forest Rotation'. 3

OR

- b) Write a Short Note on 'Pencil Method of Height Measurement of a Tree'. 3
- c) Calculate the Basal Area of the tree when D.B. H. is 40 cm. 3

OR

- d) Write the Difference between Temperate Forest and Equatorial Forest. 3
- e) Calculate the Volume of a tree using Smalian's Formula if the diameter at the base is 30cm and the diameter at the top is 30cm. 3

OR

f) Write a short note on : Environmental Factors influencing forest growth. 3

g) Write a Short note on 'Different Purposes of Plantation'. 3

OR

h) Write a short note on 'Wasteland Plantation. 3

3. Answer question in one line. 1x8
=8

a) Village transect.

b) Resource Map

c) Technology Map

d) Ecosystem

e) Forest Productivity

f) Crown Height of tree

g) Even-Aged forest

h) Carbon Sequestration.

4. Fill in the Blanks. 1x6
=6

a) Listening and Learning is one of the principles of -----

b) ----- of an object or substance is defined as mass per unit volume.

c) ----- is defined as the ratio of the volume of a tree to the volume of a cylinder having the same length and cross-section as the tree.

d) ----- is defined as the ratio of total tree volume at any point of time to total age.

e) ----- is the method of sampling in which every possible combination of sampling units has an equal and independent chance of being selected.

f) D.B.H. (the Diameter at Breast Height) is defined as the average stem diameter, outside bark, at a height of approximately ----- meter, above ground.

Either

5. a) National Forest policies of India. 8

OR

b) Types of forest classifications in detail. 8

c) Write a brief notes on rotations in regular and irregular crop's . 8

OR

d) Explain the planting pattern and spacing planting method brief. 8
