



BRAINWARE UNIVERSITY

Term End Examination 2022

Programme – B.Sc.(Ag)-Hons-2021/B.Sc.(Ag)-Hons-2022

Course Name – Introduction to Forestry

Course Code - CC-BAG173(T)

(Semester I)

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Silviculture is a branch of
- | | |
|-------------|-----------------|
| a) Agronomy | b) Soil Science |
| c) Forestry | d) Entomology |
- (ii) Herbs defined as
- | | |
|--|--|
| a) stems are always green and tender | b) Woody plants but no definite crown |
| c) large woody plants and definite crown | d) have special structure to climb on supports |
- (iii) Shrubs defined as
- | | |
|--|--|
| a) stems are always green and tender | b) Woody plants but no definite crown |
| c) large woody plants and definite crown | d) have special structure to climb on supports |
- (iv) Crown is the
- | | |
|---|----------------|
| a) basal part of the tree | b) Root system |
| c) top part of the tree from which branches grows | d) Branches |
- (v) Seed dispersal by wind
- | | |
|-------------|------------------|
| a) Conifers | b) Mangrove tree |
| c) Oak | d) Zizyphus |
- (vi) Seed dispersal by water
- | | |
|-------------|------------------|
| a) Conifers | b) Mangrove tree |
| c) Oak | d) Zizyphus |
- (vii) Seed dispersal by gravity
- | | |
|-------------|------------------|
| a) Conifers | b) Mangrove tree |
| c) Oak | d) Zizyphus |
- (viii) Seed dispersal by animals
- | | |
|-------------|------------------|
| a) Conifers | b) Mangrove tree |
| c) Oak | d) Zizyphus |
- (ix) Artificial regeneration is done for
- | | |
|------------------|------------------|
| a) Afforestation | b) Reforestation |
| c) Deforestation | d) Both A and B |

- (x) Pruning is done to
- a) to raise crop on the land
 - b) maintain quality of timber
 - c) produce seed
 - d) none of these
- (xi) Coppices are
- a) the new flushes from the cut portion of plants
 - b) seeds
 - c) stems
 - d) root stock
- (xii) Basal Area of plants is the
- a) cross section of stem at breast height
 - b) cross section of stem at the base
 - c) Crown area
 - d) none of these
- (xiii) Bole means
- a) Flower
 - b) seeds
 - c) Main stem
 - d) Branches
- (xiv) Annual rainfall in Tropical Wet evergreen forests
- a) >250cm
 - b) <250cm
 - c) <150cm
 - d) >150cm
- (xv) Plants grow in tropical wet evergreen forest
- a) Mahogany
 - b) Teak
 - c) Sundri
 - d) Cactii
- (xvi) Plants grow in tropical moist deciduous forest
- a) Mahogany
 - b) Teak
 - c) Sundri
 - d) Cactii
- (xvii) Dominant trees
- a) receive no direct light
 - b) receive direct light from above, but little or no light from the sides
 - c) receive full light from above and some light from the sides
 - d) receive some direct light from above, but no direct light from the sides
- (xviii) What is Apiculture
- a) Rearing of silkworm
 - b) Rearing of honeybees
 - c) Rearing of fish
 - d) Rearing of birds
- (xix) What is Sericulture
- a) Rearing of silkworm
 - b) Rearing of honeybees
 - c) Rearing of fish
 - d) Rearing of birds
- (xx) Scientific name of Guava
- a) *Carica papaya*
 - b) *Psidium guajava*
 - c) *Cajanus cajan*
 - d) *Cocos nucifera*

Group-B

(Short Answer Type Questions)

2.5 x
10=25

2. What are advantage and disadvantage of simple coppice system (2.5)
3. Define Artificial regeneration and its objective (2.5)
4. What are the objectives of Tending Operation (2.5)
5. What are the different grades of Ordinary Thinning (2.5)
6. What are the Factors Affecting Tending Operation (2.5)
7. Write down the Criteria for selection of trees in Agroforestry system (2.5)
8. What is wind breaks (2.5)
9. Define Shelterbelts (2.5)
10. What do you mean by Taungya system and its types (2.5)
11. What are the constraints of agroforestry (2.5)

OR

- Discuss about the thinning operation and its objectives (2.5)

Group-C
(Long Answer Type Questions)

5 x 1=5

12. Discuss about the crown classification of trees (5)

OR

What are the Advantages and Disadvantages offered by the taungya system (5)
