

PARUL UNIVERSITY
COLLEGE OF AGRICULTURE

B.Sc. (Hons.) Agriculture winter 2018- 19 Examination

Semester: 1

Subject Code: 20113101

Subject Name: Introduction to Forestry

Date: 06/12/2018

Time: 10:30am to 1:00pm

Total Marks: 50

Instructions

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Do as Directed.**A. Fill in the blanks. (Each of 0.50 marks)****(05)**

1. Upper portion of graft is known as _____.
2. Unwanted plants in field are known as _____.
3. Neem is scientifically known as _____.
4. The *vanamahotsava* celebrated with great enthusiasm in _____ period
5. First teak Plantation raised at _____.
6. 2-4-D is _____.
7. Maximum tannin yielding tree is _____.
8. Joining of stock and scion is known as _____.
9. The viable seed do not germinate in favourable condition is known as _____.
10. Strength of seed germination is known as _____.

B. Multiple choice type questions. (Each of 0.50 mark)**(10)**

1. Planting method of forest

a) Square method	b) Triangle
b) Rectangular	d) All above
2. Tending operation are

a) Weeding	c) Thinning
b) Cleaning	d) All above
3. Ring budding done in ber in the month of

a) May	c) March
b) January	d) December
4. Method of layering are

a) Compound layering	c) Trench layering
b) Simple layering	d) All above
5. Cutting tree from ground Level

a) Coppicing	c) Pruning
b) Pollarding	d) Lopping
6. Tree provide

a) Food	c) Fodder
b) Fuel	d) All above
7. Trunk diameter is measure by

a) Tape	c) Wood scale
b) Callipers	d) All above
8. Methods of thinning are

a) Crown thinning	c) Selection thinning
b) Low thinning	d) All above
9. Germination of seed increased by

a) Acid	c) Hot water
b) GA ₃	d) All above

10. Taungya system means cultivation of tree in
 a) Hill c) Valley
 b) Plain d) Coastal
11. Eucalyptus crop become ready for harvest
 a) 4 years c) 12 years
 b) 8 years d) 15 years
12. Apiculture means production of
 a) Fish c) Honey
 b) Duck d) Goat
13. National forest institute located at
 a) Gujrat c) Kerala
 b) Dehradun d) UP
14. Seed sowing methods are
 a) Drilling c) Broad casting
 b) Dibbling d) All above
15. Rose propagated by
 a) Shield budding c) Patch budding
 b) Ring Budding d) All above
16. Tree height measured by
 a) Telescopic pole c) Single pole method
 b) Shadow method d) All above
17. Teak scientifically known as
 a) *Azadiracta indica* c) *Accacia nilotica*
 b) *Tectona grandis* d) None of these
18. Nitrogen fixation tree is
 a) Neem c) Gliricidia
 b) Ber d) Babul
19. Change the space for cultivation of tree is known as
 a) Shifting cultivation c) Cultivation
 b) Taungya system d) Planting
20. *Dalbergia sisoo* is commonly known as
 a) Sisoo c) Teak
 b) Gulmohor d) Babul

Q.2 Do as Directed.

05

A. Define the following. (Any five each of 1 marks)

1. Thinning
2. Coppicing
3. Propagation
4. Pollarding
5. Pruning
6. Cleaning
7. Weeding

05

B. Answer the following. (Any Five each of 1 marks)

1. Components of Agroforestry
2. Enlist the methods to measure the plant height?
3. What is shifting cultivation?
4. Advantage of asexual propagation
5. Characters of wind break tree.
6. Give the criteria for nursery site selection.
7. Explain Silviculture

Q.3 Write short notes. (Any five each of 2 marks)

10

1. Agro forestry
2. Methods of irrigation
3. Wind breakers
4. Shifting cultivation
5. Regeneration
6. Vegetative propagation
7. Importance of forest.

Q.4 Answer the question in details (Any three each of 5 marks)

15

1. Write all the methods for measuring of forest plant height, Diameter
2. Tending operation weeding, cleaning, thinning
3. Objectives of silviculture
4. Character of tree selection in agro forestry
5. Cultivation of Teak