

PARUL UNIVERSITY
COLLEGE OF AGRICULTURE

B.Sc., (Hons.) Agriculture Summer 2017 - 18 Examination

Semester: 1**Date: 07/06/2018****Subject Code: 20113101****Time: 02:00 PM to 04:30 PM****Subject Name: Introduction to Forestry****Total Marks: 60****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 1.00 marks)****(10)**

1. The book "Introduction to forestry" written by _____.
2. Upper portion of graft is known as _____.
3. Unwanted plants in field are known as _____.
4. Apiculture is rearing of _____.
5. Neem is scientifically known as _____.
6. Application of fertilizer through drip irrigation is known as _____.
7. The *vanamahotsava* celebrated with great enthusiasm in _____ period.
8. In Islamic period _____ crops were planted.
9. First teak Plantation raised at _____.
10. 2-4-D is _____.

B. Multiple choice type questions. (Each of 1.00 mark)**(10)**

1. Method of layering are

| | |
|----------------------|--------------------|
| a) Compound layering | c) Trench layering |
| b) Simple layering | d) All above |
2. Cutting tree from ground Leaves

| | |
|---------------|------------|
| a) Coppicing | c) Pruning |
| b) Pollarding | d) Lopping |
3. Tree provide

| | |
|---------|--------------|
| a) Food | c) Fodder |
| b) Fuel | d) All above |
4. Planting method of forest are

| | |
|------------------|--------------|
| a) Square method | c) Triangle |
| b) Rectangular | d) All above |
5. Tending operation are

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

| | |
|------------|-------------|
| a) May | c) March |
| b) January | d) December |
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 |

Q.2 Do as Directed.

A. Define the following. (Any five)

(05)

1. Thinning
2. Coppicing
3. Budding
4. Pollarding
5. Canopy
6. Cleaning
7. Weeding

B. Answer the following. (Any Five)

(05)

1. Soil preparation for new plantation
2. How you measure the plant height?
3. Write the objective of thinning.
4. What is shifting cultivation?
5. Advantage of asexual propagation.
6. Write advantage of sexual method.
7. Characters of wind break tree.

Q.3 Write short notes. (Any five)

(15)

1. Approach grafting
2. Planting method
3. Stone grafting
4. layering
5. Selection of planting material
6. Alley cropping

Q.4 Attempt any Three Questions With Example

(15)

1. What is Tending Operation?
2. Write the important of tree.
3. Seed treatment.
4. Budding operation