

SH-I/NR/1101/19

B.Sc. 1st Semester (Honours) Examination, 2019-20**FORESTRY****Course ID : NR1101****Course Code : SH-NR-1101**

Course Title : Introduction to Agronomy and Horticulture

Time: 2 Hours**Full Marks: 50***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.***1. Answer any ten of the following questions: 1×10=10**

- (a) Whether tillage _____ soil bulk density. (Fill in the blanks)
- (b) _____ % nitrogen found in urea. (Fill in the blanks)
- (c) Largest cotton producing state in India is _____ (Fill in the blanks)
- (d) West Bengal ranked _____ in Vegetable production. (Fill in the blanks)
- (e) Apple belongs to _____ family. (Fill in the blanks)
- (f) Zero tillage conserve soil _____ (Fill in the blanks)
- (g) Write down two important varieties of mango
- (h) Who is the father of horticulture?
- (i) Botanical name of Ber (Indian jujube).
- (j) Given two examples of fruit species with high vitamin C content
- (k) Write down the botanical name of Wheat and Apple.
- (l) How many Horticultural Zones present in India?
- (m) Mango belongs to *anacardiaceae* family. True or False
- (n) Grape is a tropical fruit. True or False
- (o) N. P. K. stands for.

2. Answer any ten of the following questions: 2×10=20

- (a) Differentiate between mono and sole cropping.
- (b) What is Plantation crops? Write two examples of plantation crops with botanical name.
- (c) Write down the objectives of Integrated Weed Management
- (d) Importance of nutrient in plant growth
- (e) Write short note on synthetic-fertilizer.
- (f) Describe deferent types of manure in briefly.

- (g) Write briefly on different types of irrigation.
- (h) Write short note on plant growth regulator with example.
- (i) Define INM and mention its component.
- (j) What are the effect of training and pruning?
- (k) Differentiate between soil fertility and productivity.
- (l) What are the Advantages of application bio-fertilizers in agriculture field?
- (m) Classification of weeds based on life-cycle.
- (n) Write the advantage of Inter cropping and Sequential cropping.
- (o) Importance of water in Plant growth.

3. Answer *any four* of the following question with maximum 200 words: 5×4=20

- (a) Objectives of training and pruning. Write short note on different types of training. 2+3=5
 - (b) Define Horticulture. Importance of horticulture crops. Write any one classification of horticulture crops with examples. 1+1·5+2·5=5
 - (c) What is Integrated Weed Management? Write principle and advantage of IWM. 2+3=5
 - (d) Write the characteristics features of weeds, damage due to weeds and benefits of weeds. 5
 - (e) Describe different types of irrigation techniques used in agricultural and horticultural crop production. 5
 - (f) Describe different layout system of orchards. What are the main objectives of layout? 5
-