

Sl.No	Assignment Topics
01	High-tech horticulture:definition, pros & cons.
02	List of 25 fruit crops: theirpropagation methods (E.g.: papaya -seed, grape-hardwood cuttings)
03	Protected cultivation of Strawberry
04	Important rootstocks in different fruit crops (15crops)
05	Enlist the different fungicidesalong with trade names, cost andmode of action (Minimum 20)
06	Enlist the different bactericides & nematicides. Mode ofactions. (Minimum 20)
07	Enlist the different insecticides along with tradenames & costs.Mode of actions. (Minimum 20)
08	Enlist weeds and herbicidesalong with trade name& cost (Minimum 20)
09	Enlist the 15 biofertilizers&their importance in fruit crops
10	Role of fruits in the nutritionalsecurity
11	Mulching in fruit crops differentmulches, advantages & disadvantages
12	Drip irrigation: definition, diagram, advantages,disadvantages
13	Fertigation: definition, list of water-soluble fertilizers,advantages & disadvantages
14	Nematode problems andmanagement Banana and Guava
15	Major Insect-pest of Coconut
16	Rootstocks: definition, types,advantages in fruit cultivation
17	Medicinal value of differentfruit crops

18	Role of Auxin in fruit crops
19	Role of gibberellin in fruit crops
20	Role of cytokinin in fruit crops
21	Role of ethylene in fruit crops
22	Role of Abscisic acid in fruit crops
23	Role of Polyamines in fruitcrops
24	Role of Brassinosteroids in fruitcrops
25	Protected cultivation: definition, advantages, disadvantages
26	Micropropagation: Definition,list of fruit crops, advantages, disadvantages of micropropagation
27	Strategies to overcome climatechange effects via horticulture
28	Remote sensing technology: definition, advantages&disadvantages in fruit cultivation
29	Robotics in different fruit crops,mention the list of robotics names used in horticulture.Application of robotics
30	Cover crops: definition, different cover crops,advantages, disadvantages
31	Bahar treatment (or flowerregulation) in pomegranate
32	Flowering or bahar regulation incitrus
33	Flowering or bahar regulation inguava
34	Difference between climatic and non-climatic fruit with examples
35	Sigmoid growth curve definition? Difference between single and double sigmoid growth curve with examples
36	Vernalization: definition, therole of vernalization

37	Growth retardants: definition, different growth retardants, it's Application in the fruit production
38	Stratification: definition and itsrole in fruit crops
39	Photoperiodism: definition, classification, role in fruitproduction with examples
40	Plant growth regulators:definition, classification, role infruit production
41	Canopy Management in fruitcrops
42	Major diseases of Apple
43	Major Insect-pest of Apple
44	Enlist the fertilizers available inthe market & cost per bag
45	Major diseases of Mango
46	Role of Pollinizers in fruit cropsand mention pollinizers in fruit crops.
47	Major diseases of Banana
48	Major diseases of Grapes
49	How does climate changeimpact/affect fruit production?
50	Physiological disorders in major fruit crops and its management

III Semester B.Sc. Ag. Core Course: Production Technology of Fruits and Plantation crops

ASHO 2302 (1+1+0)

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