



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme – B.Sc.(Ag)-Hons-2021 Course Name – Protected Cultivation and Secondary Agriculture Course Code - CC-BAG672 (T) (Semester VI)

	Time: 2:0 Hours indidates are required to give their answers in their are as practicable.]
Gro	oup-A state street and personal control of the
(Multiple Choice	e Type Question) 1 x 20=20
1. Choose the correct alternative from the follow	ing:
(i) Show the correct option related with the lead	n-to green house.
a) No roof slope.	b) 3 roof slopes.
c) Only one roof slopes.	d) Many roof slopes.
(ii) Relate among these which is not a componer	nt of protected cultivation.
a) Drip irrigation.	b) Shade net.
c) Low tunnel.	d) None of these.
(iii) Choose the actual full name of CEA from the	given options below.
a) Controlling Environmental Aspects.	b) Controlled Environment Agriculture.
c) Controlling Environment Approach.	d) None of these.
(iv) Select the suitable night temperature (in degl	ree Celsius) of cool green house.
a) 5 – 7	b) 10 – 12
c) 12 – 18	d) 7 – 10
(v) Choose the suitable plant(s) among these wh green house.	ich can be grown successfully under cool
a) Carnations.	b) Geraniums.
c) Sweet peas.	d) All of these
(vi) Select the suitable night time temperature (in	degree Celsius) of warm green house
a) 8 – 12	b) 10 – 13.
c) 15 – 20.	d) None of these.
vii) Choose the suitable plant(s) from the given of green house.	ptions below which is grown under warm
a) Daffodils.	LV Today
c) African violets.	b) Tulip.
	d) Narcissi.
iii) Greenhouse cultivation is very important for conaturally ventilated greenhouse.	on season production. Choose the type of
a) Tubular structure.	h) Wooden stored
AND THE CONTRACTOR OF THE PARTY	b) Wooden structure.

c) Bamboo structure.	d) All of these.	
(ix) Choose the direct use of plastic tunnels from	n the given options.	
a) Plant propagation.	b) Raising nursery.d) None of these.	
 c) Vegetable production. (x) Relate the suitable areas from the given opt particularly very useful. 	ions below where shade houses are	
a) Humid areas.	b) Dry areas.	
c) Cool areas.	d) All of these.	
(xi) Show the suitable areas from these where g	reen houses are particularly very useful.	
a) Humid and dry area.	b) Humid and cool area.	
c) Cool area.	d) Dry and cool area.	
(xii) Select which one of the followings is the mo protected cultivation?	st inexpensive covering material for	
a) Polythene.	b) Polyesters.	
c) PVC film.	d) Fiber glass.	
(xiii) Choose which one of the following is a long-		
a) Polythene.	b) Polyesters.	
c) PVC film.(xiv) Choose which one of these is the simplest for	d) Fiber glass.	
a) Green house.		
c) Propagation chamber.	b) Hotbed.d) Nursery bed.	
(xv) Glass house is one of the hardy protected st	• •	
actual light transmission percentage in glass		
a) 77%	b) 62%	
c) 50%	d) 90%	
(xvi) Relate which one the followings is the secon	d mode of heat loss?	
a) Radiation.	b) Conduction.	
c) Transmission.	d) Air infiltration.	
(xvii) Relate the suitable greenhouse structure fro light transmission.	m the followings which offers the highest	
a) Quonset.	b) Gable.	
c) Hoop house.	d) Lean-to.	
(xviii) Relate the suitable strategy from the below vertication in a low-cost greenhouse.	which is often employed to optimize space	2
a) Vertical gardening.	b) Wide spacing between plants.	
c) large pathways for easy access.	d) Single-crop cultivation.	
(xix) Show the actual full name of CEA from the g	íven options below.	
a) Controlling Environmental Aspects.	b) Controlled Environment Agriculture	: .
c) Controlling Environment Approach.	d) None of these.	
(xx) Choose the function of protected structure v	vhich protect the plants.	
a) Against only biotic stress.	b) Against only abiotic stress.	
c) Against both biotic and abiotic stress.	d) Against water stress.	
Gro	oup-B	
	Type Questions)	2.5 x
(Siloit Aliswe)	Type Questions	10=25
2. Illustrate briefly about the rigid panel greenhou		(2.5)
3. Demonstrate briefly about the convection tech	nique in green house.	(2.5)
4. Construct a short note on natural ventilation in green house.		(2.5)
5. Develop a brief note on radiation which is utilised in green house conditions.		(2.5)
6. Construct a short note on conduction process of green house heating.		(2.5)

7. Demonstrate the advantages and disadvantages of Lean to type greenhouse.8. Discuss briefly about the temperature differential inside vs outside of a passive solar greenhouse.	(2.5) (2.5)
 Discuss in short the heating process of passive solar greenhouse. Elaborate the thermal mass which contribute to the efficiency of a passive solar greenhouse. 	(2.5) (2.5)
11. Elaborate briefly about the irrigation system in greenhouse condition. OR	(2.5)
Discuss about the overhead irrigation systems which is used in protected cultivation.	(2.5)
Group-C (Long Answer Type Questions)	5 x 1=5
12. Explain the scope of protected cultivation. OR	
Explain in details about the different types of greenhouses.	(5)
