MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hort.)

Semester	: **VI (New)**	**Term**	: **II**	**Academic Year**	: **2015-16**
Course No.	: H/VS 365				
Credits	: 2 (1+1)	**Title**	: **Protected Cultivation of Vegetable Crops**		
Day & Date	: Saturday, 30.04.2016	**Time**	: 09.00 to 11.00	**Total Marks**	: 40

Note : 1. Solve **ANY EIGHT** questions from **SECTION "A"**.
2. All questions from **SECTION "B"** are compulsory.
3. All questions carry equal marks.
4. Draw neat diagrams wherever necessary.

SECTION "A"

Q.1 Define protected cultivation. Write scope and importance of protected cultivation of vegetable crops in India.

Q.2 Explain the need of greenhouse cooling and methods adopted for cooling.

Q.3 Discuss in brief about protected cultivation of tomato on following points.

1) Temperature
2) CO_2
3) Varieties
4) Spacing

Q.4 Write in short about diseases of vegetable crops under polyhouse condition.

Q.5 Define green house. Write in short about factors affecting construction of greenhouse.

Q.6 Describe the cultivation practices of cucumber in green house on following aspects.

1) Temperature
2) Irrigation
3) Variety
4) Fertigation

Q.7 Discuss in brief about plastic low tunnels technology.

Q.8 Write short notes on (Any two).

1) Heating system in polyhouse
2) Role of CO_2 in protected cultivation
3) Fertigation under protected cultivation

Q.9 Write in brief on harvesting, grading and packaging of capsicum grown under protected condition.

Q.10 Enlist different medias used in protected cultivation. Explain any two of them.

SECTION "B"

Q.11 Match the following pairs.

"A"	"B"
1) Sweet pepper	a) Priya
2) Broccoli – c	b) Bomby
3) Cherry tomato	c) Palam samridhi
4) Cucumber	d) Delight
	e) Classic

Q.12 Fill in the blanks.

1) _____ media is used to decrease the water holding capacity of soil.
2) _____ and _____ types of greenhouses are best suited for humid climate.
3) _____ film has high emissivity for long wave radiation.
4) Off-season vegetables can be cultivated in _____.

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