

65231

SYBSc Botany Paper III  
(Answer key) Code 65231

Q.No.	Answer	Marks
<b>Q.1 (A)</b>	<b>Choose the correct option from the following and REWRITE the sentence. (1 Mark each)</b>	
	i) Floriculture	
	ii) Edge	
	iii) a formal garden	
	iv) Sanjay Gandhi National Park	
	v) dry	
	vi) Glycine	
	vii) ligase	
	viii) HO	
	ix) Database	
	x) -1 to +1	
<b>Q.1(B)</b>	<b>Answer the following in one or two sentences:</b>	
	i) Pomology : Definition	1
	Example	1
	ii) Caulogenesis: Definition	2
	iii) Surface sterilization: Definition	2
	iv) Tools for studying protein structures: 2 examples	2
	v) tblastn: Definition	2
<b>Q.2</b>	<b>Answer any two of the following:</b>	
	i) Horticulture: Definition	2
	Description of an two branches with examples	8
	ii) Water garden: Description with example	5
	Focal point: Description with example	5
	iii) Botanical garden: Definition	2
	Veer Mata Jijabai Udyan: Location, brief history and significance	8
	iv) a) Hdge: Description with example	2 ½
	b) Flower bed: Description with example	2 ½
	c) Lawn: Description with example	2 ½
	d) Avenue: Description with example	2 1/2
<b>Q.3</b>	<b>Answer any two of the following:</b>	
	i) Plant tissue culture laboratory: Layout	5
	Apparatus and instruments	5
	ii) Anther culture: Definition	2
	Protocol	4
	Importance	4
	iii) Gene cloning: Identification and isolation of target DNA	2
	Splicing of vector DNA	2
	Recombinant DNA formation	2
	r-DNA uptake by host cell	2
	Isolation of transformed host cell and multiplication	2
	iv) Cloning vectors: Definition and description	6
	Diagram of a vector	4
<b>Q.4</b>	<b>Answer any two of the following:</b>	
	i) Formula and calculation	6
	Result and Inference	4
	ii) Coefficient of correlation: Formula, data tabulation and calculation	8
		1

2

	Result and inference	2
iii)	Internet: Definition	2
	Uses	8
iv)	Bioinformatics: Definition	2
	Bioinformatics programs	8
<b>Q.5</b>	<b>Answer any two of the following:</b>	
i)	Informal Garden: Definition, description and example	5
ii)	Botanical garden: Definition and role in horticulture	5
iii)	Ultra filtration: Description and application	5
iv)	Pollen culture: Definition and application	5
v)	Protein sequence databases: Description and application	5
vi)	NCBI: Description and application	5