[Time: $2\frac{1}{2}$ Hours]

Q.P. Code :19280

[Marks:75]

	Please check whether you have got the right question paper.	5,00V
	N.B: 1. All questions are compulsory.	500
	2. Figures to the right indicates full marks.	2,48
	3. Draw neat and labeled diagrams wherever necessary.	
Q. 1	Attempt any two	15
-	What are antioxidants? Explain their health benefits.	<u> </u>
-	Explain the role of different nutrients in anaemia.	Z X
c)	Discuss the symptoms, causes and diet to control obesity.	160
d)	Describe the technique of preparation of spawn of edible mushrooms. Add a note on nutritive	7
	value of mushrooms.	
Q. 2	Attempt any two.	15
-	Explain the aspects of micro propagation with reference to floriculture.	
-	Describe in detail plant cell suspension culture. Add a note on its applications.	
c)	Describe protoplast fusion and its technique.	
•	What is Somatic embryogenesis? Explain the technique in detail.	
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Q. 3	Attempt any two	15
a)	Give a brief account of principle and working of a colorimeter.	
b)	Discuss in detail working of a spectrophotometer. Add a note on its applications.	
c)	Describe the technique of column chromatography.	
d)	What is HPLC? Explain its principle and technique.	
Q. 4	Attempt any two.	15
-	Describe the method of processing and storage of <i>Allium sativum</i> . Add a note on its pests and	
,	diseases.	
b)	Give a brief account of propagation method and harvesting of Curcuma longa. Add a note on its	
	marketing.	
c)	Discuss in detail macroscopic, microscopic characters of Senna leaf. Add a note on its	
25/4/	adulterants.	
d)	Give biological source, geographical distribution and microscopic characters of <i>Clove</i> bud.	
2.5	Attempt any three.	15
a)	Grading and Marketing of Mushrooms	
b)	Skin disorders School School School Skin disorders School	
()	Advantages of synthetic seeds	
(d)	Application of ion exchange chromatography	
) (e)	Chemical constituents of Acorus calamus	
(f)	Microscopic characters of Strychnos seeds	
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