		•
		<b>b</b> List the surplusing arrangement made in bunding system and describe the
		surplus weir.
		UNIT-IV
	7	a Explain the construction procedure for grassed waterways.
		<b>b</b> Write a short note on maintenance of grassed waterways.
		OR
	8	Explain pre and post sedimentation control methods.
		UNIT-V
	9	a Define farm pond, and write its importance.
		<b>b</b> Describe in detail about the roof water harvesting.

10 a Explain the design steps of gully control structures in brief.

**b** Write down the Uses of Drop Structures.

	SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: I	PUTTUF	R
	(AUTONOMOUS) B.Tech III Year II Semester Regular Examinations August-20	)22	
	SOIL AND WATER CONSERVATION ENGINEERING		
	(Agricultural Engineering)		
Time	e: 3 hours	Max. M	arks: 60
	(Answer all Five Units $5 \times 12 = 60$ Marks)		
	UNIT-I		
1	a Define soil erosion.	L1	<b>2M</b>
	<b>b</b> List soil and water conservation training and research institute in India.	L1	6M
	c Discuss the effect of soil erosion.	L2	<b>4M</b>
	OR		
2	Briefly explain the each parameters of USLE.	L2	<b>12M</b>
	UNIT-II	·	
3	Explain the Factors affecting runoff.	L2	<b>12M</b>
	OR		
4		L3	<b>6M</b>
	<b>b</b> Explain engineering measure to control erosion.	L2	<b>6M</b>
	UNIT-III		
5		L2	<b>12M</b>
	OR		
6			6 <b>M</b>
	general land slope is 30%. Average soil depth is about 1.0m, limiting th		
	depth of cut to 0.7m. Raiser is to be laid on 1:1 gradient. Compute th		
	width of terrace ,Earth work per ha and its cost @INR 2.5 per m3 and Are lost in bench terracing.	a	
	<ul><li>b List the surplusing arrangement made in bunding system and describe th</li></ul>	e L1	6M
	surplus weir.		UIVI
	UNIT-IV		
7	<b>a</b> Explain the construction procedure for grassed waterways.	L2	<b>6M</b>
	<b>b</b> Write a short note on maintenance of grassed waterways.	L2	6M

\*\*\* END \*\*\*

OR

Q.P. Code: 19AG0711



12M

**6M** 

**6M** 

10M

**2M** 

L2

L1

L2

L2

L2

Reg. No: