

Roll No.:

SGT UNIVERSITY**END TERM THEORY EXAMINATION JULY - 2022**

Faculty/College of Study:	Agricultural Sciences	Year/Semester:	2 nd Semester
Program:	B.Sc. (Hons.) Agriculture	Duration:	03:00 Hrs.
Course/Subject:	Soil and Water Conservation Engineering	Maximum Marks:	50
Course/Subject Code:	11010203	Batch:	2020 & 2021

Instructions: -

1. Write Your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

SECTION-A**(Very Short Answer Type Questions)****Note: All Questions are compulsory: -****[12X1=12]**

S. No.	Question	Marks Allotted
1	Define soil erosion	1
2	Define mulch	1
3	What do you mean by rainy day	1
4	Define runoff	1
5	Define water harvesting	1
6	What do you mean by soil conservation	1
7	What do you mean by sand dune stabilization	1
8	Define splash erosion	1
9	Write down the equation for soil loss estimation	1
10	Which method of irrigation is adversely affected due to high wind velocity?	1
11	Define Shifting Cultivation	1
12	Define saltation	1

SECTION-B
(Short Answer Type Questions)

Note: All Questions are compulsory: -

[4X2=8]

S. No.	Question	Marks Allotted
13	Write short on contouring.	2
14	Differentiate graded bund and Bench terracing	2
15	Enlist the causes of soil erosion.	2
16	Write a short note on wind breaks and shelter belts.	2

SECTION-C
(Descriptive Answer Type Questions)

Note: All Questions are compulsory: -

[3X4=12]

S. No.	Question	Marks Allotted
17	Describe the factors affecting wind erosion.	4
18	What do you mean by bench terracing? Give the design of bench terracing	4
19	Write short note on ravine reclamation.	4

SECTION-D
(Long Answer Type Questions)

Note: All Questions are compulsory: -

[3X6=18]

S. No.	Question	Marks Allotted
20	What is soil erosion? Why soil and water conservation needed? Write down importance of soil conservation?	6
21	Define water harvesting. Types of water harvesting. Describe water harvesting technique.	6
22	What is wind erosion? Describe the mechanism of wind erosion.	6