

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:	02:00 Hrs.
Course/Subject:	Soil and Water Conservation Engineering	Maximum Marks:	40
Course/Subject Code:	17010211 11010203	Batch:	2018 2019

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 wind erosion.	1
2	What is USLE?	1
3	Define soil.	1
4	What is strip cropping?	1
5	What are the types of erosion?	1
6	What is soil erosion?	1
7	What are the transportation mechanisms of soil particles after detachment?	1
8	What are the names of permanent check dams?	1
9	What is water conservation?	1
10	What is bund?	1
11	Define saltation process?	1
12	What is rill erosion?	1

SECTION-B
(Short Answer Type Questions)

Note: All Questions are compulsory: -

[4X2=8]

S. No.	Question	Marks Allotted
13	What is contour bund?	2
14	Explain gully erosion.	2
15	What is bench terrace?	2
16	What is IISWC and where it is?	2

SECTION-C
(Descriptive Answer Type Questions)

Note: Attempt Any Two (02) Questions: -

[2X4=8]

S. No.	Question	Marks Allotted
17	What are types of terraces and its utility?	4
18	Briefly explain about spillways with schematic diagrams.	4
19	Explain about Water harvesting and its techniques.	4

SECTION-D
(Long Answer Type Questions)

Note: Attempt Any Two (02) Questions: -

[2X6=12]

S. No.	Question	Marks Allotted
20	Briefly explain about Calculation of erosion index.	6
21	Explain different aspects of soil erosion and its management.	6
22	Briefly explain about principles of wind erosion control.	6