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**COER University****END SEMESTER EXAMINATION, EVEN SEM 2022-23****Time : 3 hours****Program Name : B.Sc.(Hons.)Agriculture****Course Name : Soil and Water Conservation Engineering****Total Marks : 100****Semester : II****Course Code : BSAG203****Note: All questions are compulsory. No student is allowed to leave the examination hall before the completion of the time.**

<b>Q. No 1</b>	<b>Attempt Any Five Parts. Each Question Carries 5 Marks.</b>	<b>CO</b>	<b>BL</b>
(a)	Explain about contour bunds.	CO 1	1
(b)	Define Soil erosion and its type geological erosion.	CO 1	1
(c)	Illustrate the Importance of Soil Conservation	CO 1	1
(d)	Discuss about soil horizon with a labeled diagram.	CO 1	1
(e)	Describe the biological factors that affects soil erosion.	CO 1	2
(f)	Define wind erosion & its disadvantage.	CO 1	1,2

<b>Q. No 2</b>	<b>Attempt Any Five Parts. Each Question Carries 5 Marks.</b>	<b>CO</b>	<b>BL</b>
(a)	Explain the different agents of soil erosion.	CO 2	1,6
(b)	Memorize the Geological Erosion and Accelerated Erosion.	CO 2	1,6
(c)	What do you understand by water erosion and its type?	CO 2	1,6
(d)	Define Runoff factor.	CO 2	1
(e)	Elaborate the factors influencing water erosion.	CO 2	2
(f)	Write the difference between rill erosion and gully erosion.	CO 2	1,2

<b>Q. No 3</b>	<b>Attempt Any Five Parts. Each Question Carries 5 Marks.</b>	<b>CO</b>	<b>BL</b>
(a)	Classify the Terraces and their Design.	CO 3	2,6
(b)	Classify the spacing of bunds and its formulas.	CO 3	2,6
(c)	Contrast the bench Terraces and their types.	CO 3	2,6
(d)	Illustrate about terraces.	CO 3	3
(e)	Detail the construction procedure for grassed waterway.	CO 3	1
(f)	How runoff can be differentiated from flood water harvesting.	CO 3	1

<b>Q. No 4</b>	<b>Attempt Any Five Parts. Each Question Carries 5 Marks.</b>	<b>CO</b>	<b>BL</b>
(a)	Discuss about the importance of water harvesting techniques.	CO 4	6
(b)	Elaborate the Estimation of Soil Loss Due to Wind Erosion.	CO 4	6
(c)	Explain about the Mechanics of Wind Erosion	CO 4	6
(d)	Explain various water harvesting techniques.	CO 4	2
(e)	Explain the problems arising due to soil erosion.	CO 4	2
(f)	Differentiate dam and retaining wall.	CO 4	2

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