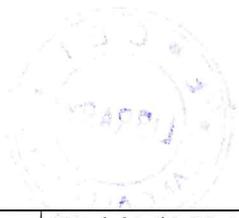USN | | | | | | | | | | |

BCV405D

Fourth Semester B.E./B.Tech. Degree Examination, June/July 2024
Watershed Management

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	List and explain the principles of Watershed Management.	10	L2	CO1
	b.	Define Watershed and highlight its salient features.	10	L2	CO1
		OR			
Q.2	a.	Briefly explain Surface Water Management, Ground Water Management and Conjunctive use.	10	L2	CO1
	b.	Discuss about Hydrological understanding , Water Availability Assessment and Human influences.	10	L2	CO1
		Module – 2			
Q.3	a.	Explain IWRS and explain its components.	10	L2	CO2
	b.	Describe Morphometric analysis. Outline its parameters.	10	L2	CO2
		OR			
Q.4	a.	Elaborate Watershed Management is Employed in Arid regions.	10	L2	CO2
	b.	Outline the Short term and Long term strategic planning in Watershed Management.	10	L2	CO2
		Module – 3			
Q.5	a.	Outline the perspectives on recycle and reuse in Water conservation.	10	L2	CO3
	b.	Explain the structures for Rain water harvesting.	10	L2	CO3
		OR			
Q.6	a.	List the various aspects of Rainwater harvesting.	10	L2	CO3
	b.	Explain the Waste water reclamation techniques.	10	L2	CO3
		Module – 4			
Q.7	a.	Discuss briefly about sustainable integrated watershed management.	10	L2	CO4
	b.	Highlight the features of Soil erosion and Conservation in watershed approach.	10	L2	CO4
		OR			

Q.8	a.	Explain the Natural Resource Management briefly.	10	L2	CO4
	b.	List various best Agricultural practices and explain them.	10	L2	CO4
Module – 5					
Q.9	a.	Outline the Applications of remote sensing in Watershed Management.	10	L2	CO5
	b.	Elaborate the Role of Decision support system in Watershed Management.	10	L2	CO5
OR					
Q.10	a.	Outline the Application of GIS in Watershed Management.	10	L2	CO5
	b.	Identify the Watershed characteristics of Coastal regions. Discuss briefly.	10	L2	CO5

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