

M. TECH. CIVIL (WATER RESOURCE ENGINEERING)
M. Tech. Civil (Water Resource Engineering) Sem-IV :SUMMER- 2022
SUBJECT : SELF-STUDY PAPER-II:SOIL CONSERVATION & WATERSHED
MANAGEMENT

Day : Wednesday
Date : 15-06-2022

S-23680-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

SECTION – I

Q.1 What is the effect of hydrology and geology in the planning process of watershed management? Explain. [10]

OR

Explain the classification of watershed on the basis of size, shape and physiographic characteristics.

Q.2 Explain the mechanics of water erosion by various agents. [10]

OR

State and describe any two methods used for estimation of water erosion losses.

Q.3 State and explain biological methods of water erosion control. [10]

OR

Describe with neat sketches various structures used for water erosion control.

SECTION – II

Q.4 Explain various measures adopted for reclamation of water logged areas. [10]

OR

Explain various measures adopted for soil conservation in hilly areas.

Q.5 Explain water conservations measures adopted in arid zones of India. [10]

OR

Describe the land use management practices used in semiarid zones.

Q.6 What are different situations where reuse of waste water after recycling is possible? Explain. [10]

OR

Explain socio economic aspects of watershed management.

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