

- Q.20 Explain Agronomic and field practices to control erosion by water. (CO2)
- Q.21 What are different causes of water logging? (CO6)
- Q.22 Describe ground water recharge and its importance. (CO4)

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)
- Q.23 Describe the temporary structures for control of erosion. Explain their types and adaptability.?(CO3)
- Q.24 What are different methods of moisture content determination? Explain gravimetric method. (CO1)
- Q.25 Describe the Mechanics of wind erosion in detail. Also give the factors affecting erosion by wind. (CO2)

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4th Sem / Agriculture Engg.

Subject : Soil and Water Conservation

Time : 3 Hrs.

M.M. : 60

SECTION-A

- Note:** Multiple choice questions. All questions are compulsory (6x1=6)
- Q.1 Contour bunding is done to check (CO3)
- a) Rill Erosion b) Sheet Erosion
- c) Rain drop Erosion d) Gully Erosion
- Q.2 Forest prevent soil erosion by binding soil particles in their (CO2)
- a) Leaves b) Buds
- c) Root d) Stem
- Q.3 Which soil has high water retaining capacity (CO6)
- a) Sand b) Silt
- c) Clay d) Loam

Q.4 The maximum moisture is available to plant at (CO1)

- a) Saturation
- b) Hygroscopic Coefficient
- c) Wilting Point
- d) Field Capacity

Q.5 The soil condition in which all the pore spaces are filled with water and require to be drain out (CO6)

- a) Water logging b) Drainage
- c) Reclamation d) None of these

Q.6 Acid soils can be reclaimed by (CO5)

- a) CaCO_3 b) H_2SO_4
- c) HNO_3 d) CaSO_4

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Define Porosity. (CO1)

Q.8 Define Wind Erosion. (CO2)

Q.9 Define Contour farming. (CO3)

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Q.10 What is the need of drainage? (CO6)

Q.11 Define reclamation. (CO5)

Q.12 Define Water harvesting. (CO4)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Define soil structure. Write different factors affecting the soil structure. (CO1)

Q.14 Describe the soil conservation through tree and grass cultivation. (CO3)

Q.15 Name various constituents of soil and their importance. (CO1)

Q.16 Describe reclamation of alkali soils. (CO5)

Q.17 How the soil act as a medium of plant growth? (Co1)

Q.18 Differentiate Rain drop erosion and sheet erosion. (CO4)

Q.19 Give the reasons and factors of formation of Saline and alkaline soils. (CO5)

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