

4th Sem / Civil
Subject : Irrigation Engineering

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Wheat is the _____ Crop.

- a) Kharif
- b) paren
- c) Rabi
- d) Non-perennial

Q.2 Runoff is measured in

- a) m³/s
- b) m³/min
- c) m³/h
- d) none of these

Q.3 A _____ is a graph which show the variation of discharge with time.

- a) Hydrograph
- b) Hydrogram
- c) Hydrology
- d) All of the above

Q.4 When the drain is over the canal, the structure provided is known as

- a) Aqueduct
- b) Canal syphon
- c) Super-passage
- d) syphon Aqueduct

Q.5 The solid construction put across the river to raise its waterlevel is known as _____

- a) Barrage
- b) Bridge
- c) Head Reglator
- d) Weir

Q.6 The chances of Waterlogging are more if rainfall is

- a) More
- b) Less
- c) Both a & b
- d) None of these

SECTION-B

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

Q.7 Define furrow irrigation.

Q.8 When drainage and canal water are allowed to mix it is known as _____.

Q.9 A canal is lined to reduce _____ Lods.

Q.10 A canal fall is constructed across a canal to lower down its _____

Q.11 Define Waterlogging.

Q.12 Name two types of Automatic Rain gauges.

SECTION-C

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

Q.13 What are the ill effects of irrigation.

Q.14 What do you understand by Crop Rotation of Crops.

Q.15 Comparision between Canal and Tubewell irrigation.

Q.16 Describe Condition favourable for Sprinkler irrigation.

Q.17 What is the necessity of Canal Lining.

Q.18 Explain various causes of failure of Earthen Dam.

Q.19 Define Canal Head work.

Q.20 Write short note on Super Passage.

Q.21 Write short note on Canal Escape.

Q.22 Establish a relation between duty, delta and base period.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain the effect and causes of Waterlogging.

Q.24 Explain the types of falls.

Q.25 What is surface irrigation? Explain with different methods.

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