

No. of Printed Pages : 4
Roll No.

220746

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.

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- 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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