

Unit 7 - Week 6

Course outline

How does an NPTEL online course work?

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Week 2

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Week 6

● Lecture 26 Water Conservation - I

● Lecture 27 Water Conservation - II

● Lecture 28 Water Conservation - III

● Lecture 29 Water Conservation - IV

○ Lecture 30 Water Conservation - V

○ **Quiz : Assignment 6**

○ Solution for Assignment 6

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Assignment 6

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-03-11, 23:59 IST.

1) Which of the following is not a strategy for water efficiency in buildings **1 point**

- On-site STP
- High flow fixtures
- Enhanced Irrigation Systems
- Rainwater Harvesting
- Water Metering Systems

No, the answer is incorrect.
Score: 0

Accepted Answers:
High flow fixtures

2) Sawdust and Lime are used in the Dry composting toilets **1 point**

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

3) Rainwater harvesting can be done in which of the following ways (Multiple Answers) **1 point**

- Storage of Rainwater
- Evaporation
- Ground Water Recharge
- Diverting the rainwater to urban storm-water drains

No, the answer is incorrect.
Score: 0

Accepted Answers:
Storage of Rainwater
Ground Water Recharge

4) The term artificial recharge refers to **1 point**

- Reusing the stored rainwater for domestic water needs
- Provision of Water percolation through the roof garden system
- Transfer of surface water to the aquifer by human interference
- Draining the storm water into the nearby lakes and ponds

No, the answer is incorrect.
Score: 0

Accepted Answers:
Transfer of surface water to the aquifer by human interference

5) Evapotranspiration is expressed in **1 point**

- Millimeters per unit area
- Millimeters per unit of time
- Millimetres per Unit volume
- Millimeters

No, the answer is incorrect.
Score: 0

Accepted Answers:
Millimeters per unit of time

6) What is the water consumption for the following landscape scenario **1 point**

100 sqm of Lawn (Plant factor 0.56 and ET₀ = 0.005) with sprinkler system (Irrigation efficiency of 0.625)

- 128 LPD
- 448 LPD
- 848 LPD
- 1028 LPD

No, the answer is incorrect.
Score: 0

Accepted Answers:
448 LPD

7) Wastewater generated from kitchens, laundry, bathrooms, etc. is termed as **1 point**

- Black Water
- Brown Water
- Grey Water
- Green Water

No, the answer is incorrect.
Score: 0

Accepted Answers:
Grey Water

8) At what stage, raw sewage is screened to remove floating debris/ insoluble impurities such as plastic bags, leaves, twigs, paper, etc.? **1 point**

- Primary Treatment
- Secondary Treatment
- Tertiary Treatment
- Before the final reuse of the treated waste water

No, the answer is incorrect.
Score: 0

Accepted Answers:
Primary Treatment

9) Water balance chart for any given project do not consider **1 point**

- Municipal water supply
- Evaporated water from the Roof top
- Water required for landscaping
- Capacity of Sewage treatment plant in any in the project

No, the answer is incorrect.
Score: 0

Accepted Answers:
Evaporated water from the Roof top

10) A project has 100 litres per day of Grey water generation and 50 litres per day of Black water generation, and the project has installed an STP of capacity 150 Litres per day, which can treat both black water and grey water to Primary treatment, which can be used for flushing and landscaping. The project do not have any landscaping and no water is needed for irrigation. Can the project claim that 100% of the waste water treated in the project shall be reused within the project? **1 point**

- Yes
- No

No, the answer is incorrect.
Score: 0

Accepted Answers:
No