

Course outline

How does an NPTEL online course work?

Week 0

 Quiz: Week 0 : Assignment 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

[Detail Solution](#)
[Live Interactive session](#)

Week 0 : Assignment 0

The due date for submitting this assignment has passed.

Due on 2021-07-26, 23:59 IST.

As per our records you have not submitted this assignment.

 1) Which of the following is an example of stormwater recharge structure? 1 point

- a. Vegetated swale
- b. Permeable pavements
- c. Infiltration basins
- d. All of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

 2) Treated waste water from sewage treatment plants can be used for _____ 1 point

- a. Agriculture and horticulture
- b. Industrial use
- c. Large scale construction activity
- d. All of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

 3) Service level benchmarking for Water supply services in India is given by _____ 1 point

- a. Central Public Health & Environmental Engineering Organization (CPHEEO) under the Ministry of Housing and Urban Affairs
- b. Central Public works department
- c. National building code of India
- d. State Public works department

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

 4) The campaign for water conservation and water security launched in India in 2019 is _____ 1 point

- a. Jal Shakti Abhiyan
- b. Swachh Bharat Abhiyan
- c. National Water Policy
- d. Nirmal Bharat Abhiyan

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

 5) What is the per capita water demand for a hostel building according to IS 1172:1993? 1 point

- a. 60 lpcd
- b. 100 lpcd
- c. 135 lpcd
- d. 150 lpcd

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

 6) Which of the following surfaces has the highest run off coefficient? 1 point

- a. Forest and wooded area
- b. Parks, lawns and gardens
- c. Gravel roads and walks
- d. Asphalt pavements in good condition

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

 7) Which of the following is used for population forecasting? 1 point

- a. Arithmetic increase method
- b. Geometric increase method
- c. Incremental increase method
- d. All of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

 8) The amount of oxygen consumed by the aerobic bacteria which cause the aerobic biological decomposition of sewage, is known as: 1 point

- a. Biological Oxygen Demand (B.O.D.)
- b. Dissolved Oxygen (D.O.)
- c. Chemical Oxygen Demand (C.O.D.)
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

 9) Economic height of a dam is the height corresponding to which? 1 point

- a. Cost of the dam per unit of storage is minimum
- b. Amount of silting is less
- c. Cost of dam per unit storage is maximum
- d. Free board provided is least

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

 10) Runoff is the quantity of water which flows: 1 point

- a. In sewer pipes
- b. Due to leakage in pipes
- c. Over land to streams and rivers
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

 11) Water supply services in an urban area does not cover: 1 point

- a. collection, and treatment of water
- b. distribution of water to consumers
- c. provision of hydrants for fire fighting
- d. provision of sprinklers in buildings

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

 12) Corrosion of a pipe: 1 point

- a. Reduces its life span
- b. Reduces its carrying capacity
- c. Adds colour and odour to water
- d. All of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

 13) In case of carrying capacity limit, the population growth curve is usually a: 1 point

- a. S-shaped curve
- b. Parabolic curve
- c. Circular curve
- d. Straight line

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

 14) What is an aquifer? 1 point

- a. body of saturated rock/soil through which water can easily move
- b. underground rivers or lakes
- c. geological formation found on the surface
- d. none of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

 15) Which factor does not affect per capita water demand in a given area? 1 point

- a. Climatic conditions
- b. Population size of the area
- c. Lifestyle
- d. Material of pipelines

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

 16) Which of the following notations for surface runoff is correct? 1 point

- a. Surface runoff = Volume of rainfall - (Evaporation losses - Percolation losses + Transpiration losses)
- b. Surface runoff = Volume of rainfall + (Evaporation losses + Percolation losses + Transpiration losses)
- c. Surface runoff = Volume of rainfall - (Evaporation losses + Percolation losses + Transpiration losses)
- d. Surface runoff = Volume of rainfall + (Evaporation losses + Percolation losses - Transpiration losses)

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

 17) Underground water sources include _____ 1 point

- a. Spring
- b. Wells
- c. Infiltration wells
- d. All of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

 18) Hardness of water is due to _____ 1 point

- a. Sulphates of heavy metals
- b. Aldehydes
- c. Calcium and magnesium salts of higher fatty acids
- d. Sodium salts

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

 19) The septic tanks are designed to _____ 1 point

- a. Hold sanitary sewage for some time so that it is partially digested
- b. To exclude oil and grease from sewage
- c. Allow water to soak in the ground
- d. Treat grit and sand

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

 20) Urban flood risk management can be achieved by _____ 1 point

- A. Improving operations of dams
- B. Increasing the proportions of impervious surfaces in cities
- C. Efficient management of groundwater
- D. Improving flood resilience

- a. A, B, D
- b. A, C, D
- c. B, C, D
- d. A, B, C, D

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.