Unit 2 - week 0

Assignment 0

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

Due on 2020-01-27, 23:59 IST.

1) Which of the following is regarded as a non-conventional source of municipal water supply? 1 point

a. Rivers and lakes
b. Wells
c. Recycled water
d. None of the above

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

2) Municipal Water Supply Systems usually aims to provide water for: 1 point

a. Domestic uses and public facilities
b. Agriculture
c. Large Industries
d. All of the above

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

3) Boiling water leads to the removal/treatment of: 1 point

a. Suspended Solids
b. Microbial Contaminants
c. Dissolved Solids
d. All of the above

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

4) The approximate average amount of water required by a person in a day for drinking, food, bathing, washing and sanitation requirements, varies between: 1 point

a. 30-50 liters/day
b. 100 -200 liters/day
c. 400-500 liters/day
d. 800-1000 liters/day

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

5) Under normal conditions, which of the following statements are true for groundwater sources of water? 1 point

a. Groundwater has lesser suspended solids than surface water
b. Groundwater has higher dissolved oxygen than surface water
c. Groundwater sources are always free from arsenic and fluoride contaminations
d. All of the above

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

6) Colloidal Solids in water: 1 point

a. Settles quickly when water is kept idle
b. Kills bacteria present in water
c. Increases turbidity of water
d. All of the above

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

7) Water containing high concentrations of _____ is called hard water. 1 point

a. Sodium or Potassium
b. Calcium or Magnesium
c. Bicarbonates
d. Chlorides or Nitrates

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

8) The single-largest consumer of fresh water in India is _____ sector: 1 point

a. Industry
b. Power
c. Domestic
d. Agriculture

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

9) Which of these central government (India) schemes aim to provide tap water to every household by 2024? 1 point

a. Make in India
b. Jal Jeevan Mission
c. Ujjwala Yojana
d. Swach Bharat Mission

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

10) Which of the following are methods for water conservation? 1 point

a. Rain water harvesting
b. Using water saving home appliances
c. Grey water recycling
d. All of the above

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

11) The cost of water treatment is usually highest for which of the following sources? 1 point

a. Groundwater
b. Lake water
c. River water
d. Seawater

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

12) What should be the normal range of pH of drinking water? 1 point

a. < 6
b. 6.5 – 8.5
c. 8 - 12
d. > 12

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

13) A river with a flow rate of 15 m^3/s containing 2 mg/L phosphate meets a waste stream of 1.5 m^3/s containing 40 mg/L phosphate. Determine the phosphate concentration in downstream of the river considering no degradation or consumption of phosphate in river. 1 point

a. 42 mg/L
b. 6 mg/L
c. 5.45 mg/L
d. 38 mg/L

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

14) A state with present population of 20 million, has per person water availability as 2400 m^3/person/yr. If the population is predicted to increase by 2.5% next year, what would be the per person water availability next year in m^3/person/yr (assuming water sources remains at constant level). 1 point

a. 2460
b. 2341.5
c. 2320
d. 2400

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

15) A function $f(x)$ is linear and has a value of 29 at $x = -2$ and 39 at $x = 3$. Find its value at $x = 5$. 1 point

a. 35
b. 59
c. 45
d. 43

a.
b.
c.
d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.