

Jaffna Zonal Education Office
Term-1 2020
Unit Exam-04 (Functions of water)

Grade 7

Science

Time- 40 min

Part-1

I) Underline the most appropriate answer.

I. Which is not soluble in water?

- i. Condis ii. Turmeric powder iii. Baking powder iv. Salt

II. Which is the battery acid?

- i. Sulphuric acid ii. Acetic acid iii. Alcohol iv. All are correct

III. Which is the salt in saline solution?

- i. Sodium chloride ii. Baking powder iii. Condis iv. Glucose

IV. Which plant is not used to produce the treacle?

- i. Coconut ii. Palmyra iii. Kitul iv. Plantain

V. Which property of water is used to cool the engine of a vehicle?

- i. As a solvent ii. As a medium iii. As a covalent iv. As an insulator

VI. The main function of water is

- i. Solvent ii. Coolant iii. Medium iv. All are correct

VII. The substance found in three stages is

- i. Salt ii. Water iii. Sugar iv. Jelly

VIII. Sweet toddy can be obtained from the plants are

- i. Papaw, Jak ii. Coconut, Arecanut iii. Paddy, Arecanut iv. Jak, Arecanut

IX. Organism that use the water as a medium for for their life is

- i. Plant ii. Animal iii. Micro- organism iv. All are correct

X. An instance where heat is not conducted

- i. Feeling cool when ice is in our hand ii. Water is used in radiator of vehicles
ii. Feeling the heat when touch the hot water by hand iv. Pour the water in vessels

(10x 1=10 marks)

II. Mark True as () and false as (X) in the following statement.

i. The solvent property of water helps to dissolve many substance. ()

ii. Blue whale is the largest aquatic animal ()

iii. Use coloured water for decorating purposes ()

iv. Coloured solution obtains when the surgical sprit put into the water ()

v. Water is an essential to maintain the biological processes in all living beings ()

(10x 1=10 marks)

III. Match suitable A and B

- A**
- i. Juice of sugar cane
 - ii. Jaggery
 - iii. Urea
 - iv. Sea water
 - v. Acetic acid

- B**
- urine
 - Sucrose
 - Coconut flower
 - Vinegar
 - Sodium chloride
- (5x2 = 10 marks)

Part II

I. i. Write three instances where water is used as a solvent property? (12 marks)

- I.).....
- II.).....
- III.).....

ii. Mention two methods of separating materials that dissolved in water? (4 marks)

- I.)..... II.).....

iii. Write two instances where water is used as a coolant property? (4 marks)

- I.).....
- II.).....

iv. Mention three instances where water is used as a medium? (6 marks)

- I.) iii.).....
- ii.).....

v. Which property of water is used to absorb minerals in plants? (4 marks)

.....

II. Write five uses of water in day to day life? (10 marks)

- I.)..... iii.).....
- ii.)..... iv.).....
- v.).....

ii. Fill in the blanks with suitable words.

Sea water is salty so i.) is dissolved most in the sea water. Salt is prepared from sea water by ii) Salt is used to iii)the food items. During the winter season even surface. Surface water gets iv.) that float on water. So organisms can survive. In cool country people v) these ice layers and do fishing.

(5 x 2 = 10marks)