

# AMRITA VIDYALAYAM

## ANNUAL EXAMINATION 2018 - '19

Class : V

Marks : 50

Time : 2 hrs

### SCIENCE

#### KNOWLEDGE

**I. Choose the correct answer from the brackets. 5**

1. River Kosi caused havoc in \_\_\_\_ (Bihar, Assam) in 2008.
2. The atmosphere is held around the earth by its \_\_\_\_\_.  
(Muscular force, Gravitational force)
3. \_\_\_\_\_ is a continuous shaking movement. (Light, Vibration)
4. The \_\_\_\_\_ (satellite, meteor) is an object that revolves around a planet.
5. CFCs are widely used in \_\_\_\_\_. (car engines, refrigerators)

**II. Fill in the blanks. 5**

1. Plants and trees hold the soil together by their \_\_\_\_\_.
2. \_\_\_\_\_ is the amount of water vapour in the air.
3. The upward push of water on a floating object is called \_\_\_\_\_ force.
4. An object through which light cannot pass is called \_\_\_\_\_.
5. \_\_\_\_\_ is the spoiling of land, air and water.

**III. Name the following. 5**

1. Wall along a river bank.
2. The blanket of air surrounding the earth.
3. The most readily available source of energy.
4. The first Indian Satellite.
5. Increase in the temperature of the atmosphere.

#### UNDERSTANDING

**IV. State true or false. 6**

1. Changes in the weather occur in troposphere.

2. Cutting the slope into steps or terraces can reduce soil erosion.
3. Most simple machines make use of frictional force.
4. The moon's pull on the water is weaker than that of the sun.
5. Many old objects can be reused or recycled.
6. Overgrazing of cattle causes soil erosion.

**V. Match the following. 2**

- |                    |             |
|--------------------|-------------|
| 1. methane         | argon       |
| 2. eclipses        | Hwang Ho    |
| 3. electric bulbs  | natural gas |
| 4. Sorrow of China | shadows     |

**VI. Classify the following as first-class, second-class and third-class levers. 4**

fishing rod, hammer, nut-cracker, stapler, tweezers, plier, wheel-barrow, human arms and legs, bottle opener, ball, bat and ice tongs.

**VII. Give reason. 3**

1. Solar eclipses should not be looked at by naked eyes.
2. We are uncomfortable when the weather is humid.
3. A screw is better than a nail.

**VIII. Answer the following. 10**

1. How are humans responsible for soil erosion?
2. How are weather satellites useful to us?
3. How is wind energy more environment friendly than heat energy?
4. How are tides caused?
5. How can we prevent pollution of air and water?

**SCIENTIFIC SKILL**

**IX. Explain filtration with the help of a diagram? 3**

**X. Identify the type of lever from the following pictures. 2**

1.



2.



**XI. Fill the grids with the help of given clues. 5**

**Down**

1. Felling trees in large numbers.
2. A force applied on a rubber band.

**Across**

3. Fifth layer of atmosphere
4. First artificial satellite

**Up**

5. This is done to reduce the accumulation of waste.

