

# AMRITA VIDYALAYAM

## ANNUAL EXAMINATION 2017 - '18

Class : V

Marks : 50

Time : 2 hrs

### SCIENCE

#### KNOWLEDGE

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

1. The carrying away of the soil by wind and water is called \_\_\_\_\_. (conservation / erosion)
2. Air contains \_\_\_\_\_ (oxygen / nitrogen) which is needed for burning.
3. A moving car possesses mechanical energy due to its \_\_\_\_\_. (motion / position).
4. A person who goes to space is called an \_\_\_\_\_. (astronaut / astrologer)
5. A greenhouse is a \_\_\_\_\_ (glasshouse / concrete house) where we grow plants.

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

1. The \_\_\_\_\_ is the uppermost layer of the earth.
2. \_\_\_\_\_ is the layer of the atmosphere where weather changes takes place.
3. We are able to walk because of \_\_\_\_\_ force.
4. A \_\_\_\_\_ is used to launch an artificial satellite into space.
5. \_\_\_\_\_ is the spoiling of land, water and air.

**III. Name the following. 5**

1. The purest form of natural water.
2. Growing more trees by planting saplings.
3. The most readily available source of energy.
4. The amount of water in the air.
5. The first human made satellite.

## UNDERSTANDING

**IV. Match the following.** **2½**

- |    |                       |                       |
|----|-----------------------|-----------------------|
| 1. | carbon dioxide        | elastic force         |
| 2. | disinfection of water | moon                  |
| 3. | natural satellite     | global warming        |
| 4. | catapult              | produced inside earth |
| 5. | geothermal energy     | chlorination          |

**V. State true or false.** **5**

1. Overgrazing of cattle causes soil erosion.
2. We need not carry oxygen cylinders on high mountain tops.
3. Simple machines make our work difficult.
4. There is no atmosphere surrounding the earth's surface.
5. Human activities are disturbing the wild life habitats.

**VI. Give reason.** **3**

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

**VII. Answer the following.**

1. How are weather satellites useful to us? **2**
2. We need to be more careful cycling down a hill. Why? **2**
3. Write an activity to show that air has weight. **2½**
4. Why do farmers grow cover crops? **2**
5. How do we make water fit for drinking at our homes? **2**

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

fishing rod, hammer, nut-cracker, stapler, tweezers, plier, wheel-barrow and human arms and legs

## SCIENTIFIC SKILL

**IX. Draw a lunar eclipse and name the celestial bodies.** **2**

**X. Identify the type of energy used in each of the following.**

**3**

1.



2.



3.



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

**5**

Across

1. The push or pull applied on a thing.
2. Space shuttles move in this layer of atmosphere.
3. An object through which light cannot pass.

Down

4. The clear liquid obtained after filtration.
5. Sorrow of China.

