



**RAMAGYA SCHOOL, NOIDA**  
IV/SCIENCE/2017-18  
OLYMPIAD PRACTICE WORKSHEET

**Concept based**

Q.1) Quartzite is an example of which form of rock?

- a) Igneous                      b) Sedimentary                      c) Metamorphic                      d) Granite

Q.2) In which kind of habitat the camel lives?

- a) Arboreal                      b) Aquatic                      c) Terrestrial                      d) Aerial

Q.3) which of the following is the largest terrestrial planet in our solar system?

- a) Mars                      b) Earth                      c) Venus                      d) Mercury

Q.4) Which of the following is the biotic component of the environment ?

- a) Microorganism                      b) Air                      c) water                      d) Plastics

Q.5) Neem is a \_\_\_\_\_.

- a) Shrub                      b) Herb                      c) tree                      d) climber

Q.6) What kind of energy is possessed by a stretched spring ?

- a) Mechanical                      b) Potential                      c) Kinetic                      d) Magnetic

Q.7) Which of the following has no role in the process of digestion ?

- a) Stomach                      b) Kidney                      c) Liver                      d) Small intestine

**Application Based**

Q.8) Which of the following is the outermost layer of the atmosphere?

- a) Troposphere                      b) Exosphere                      c) Mesosphere                      d) Stratosphere

Q.9) Full form of CNG is

- a) Compressed natural gas                      b) Combined natural gas  
c) Compressed nature gas                      d) none of these

Q10) Hibernation is the process in which animals go to sleep in winter. The reason for this is

- a) Scarcity of food and extreme cold
- b) to digest food.
- c) to hide from enemies.
- d) None of these.

Q.11) The crystals of a rock which are used in measuring time is known as \_\_\_\_\_.

- a) Diamond
- b) Gold
- c) quartz
- d) Marble

Q12) Molecules of water is made up of atoms of

- a) Nitrogen and oxygen
- b) carbon and hydrogen
- c) hydrogen and oxygen
- d) hydrogen and nitrogen

Q13) exchange of gases in lungs takes place through the

- a) Lungs
- b) blood vessels
- c) alveoli
- d) Pharynx

Q14) Which of the following is an igneous rock?

- a) Gold
- b) Pumice
- c) Sandstone
- d) Pumice

### HOTS

Q15) If we heat a solid substance the force between the molecule become \_\_\_\_\_.

- a) stronger
- b) weaker
- c) remains same
- d) none of these

Q.16) The gravity of moon is \_\_\_\_\_ of earth's gravity.

- a) 1/6
- b) 1/4
- c) 1/2
- d) 1/3

Q.17) The imaginary line which divides earth into two halves is known as \_\_\_\_\_.

- a) Poles
- b) Axis
- c) Orbit
- d) Equator

Q18) 1 solar year = \_\_\_\_\_.

- a) 254 days
- b) 31 days
- c) 1 year
- d) 10 years

Q19) if an object is placed at a greater height ,what happens to the potential energy?

- a) Decreased
- b) Increased
- c) Remains same
- d) None of these

## **Value Based**

**Q20) Students of class 4 are told to plant as many trees as possible during their summer break and also take care of the planted trees. At the end of summer break, they made a table each in which they recorded the number of trees they grew and took care. The advantage of this is -**

- a) to increase the fertility of soil**
- b) That agents like wind and water will not erode soil.**
- c) to prevent soil erosion**
- d) all of these**