

**ATOMIC ENERGY EDUCATION SOCIETY  
(2015-16)**

**Sub: Science**

**Sample Paper**

**Class: 8**

**I ] Answer the following questions from the given choices.**

- 1) Species of plants and animals which are found exclusively in a particular area are called \_\_\_\_\_ species.  
A) endangered      B) endemic      C) extinct      D) rare.
- 2) \_\_\_\_\_ hormone is produced by ovary.  
A) Thyroxin      B) Insulin      C) Estrogens      D) Testosterone.
- 3) The drastic change which transforms a larva into an adult is called \_\_\_\_\_.  
A) metamorphosis      B) fertilisation  
C) budding      D) binary fission.
- 4) The formula for pressure is \_\_\_\_\_.  
A)  $P=F + A$       B)  $P= F - A$       C)  $P= F / A$       D)  $P = F \times A$
- 5) The frictional force exerted by fluid is called \_\_\_\_\_.  
A) Static friction      B) Sliding friction  
C) Rolling friction      D) Drag
- 6) \_\_\_\_\_ does not conduct electricity.  
A) Copper sulphate solution      B) Common salt solution  
C) Distilled water      D) Tap water.
- 7) The process of transferring of charge from a charged object to the earth is called \_\_\_\_\_.  
A) earthquake      B) earthing      C) lightening      D) thunderstorm.
- 8) Cassiopeia is a \_\_\_\_\_.  
A) Galaxy      B) constellation      C) planet      D) star
- 9) Which of the following is not a greenhouse gas?  
A) Carbon dioxide      B) Sulphur dioxide.  
C) Methane      D) Nitrogen gas.
- 10) \_\_\_\_\_ damage the ozone layer of the atmosphere.  
A) CFC      B) CO      C) CO<sub>2</sub>      D) N<sub>2</sub>
- 11) \_\_\_\_\_ is called red planet.  
A) Mars      B) Jupiter      C) Mercury      D) Venus
- 12) The source book which keeps a record of all the endangered animals and plants called \_\_\_\_\_ data book.  
A) Green      B) Red      C) Blue      D) yellow
- 13) A force can change \_\_\_\_\_ of the object.  
A) shape      B) speed      C) direction      D) All of these.
- 14) Stoppage of menstruation is termed as \_\_\_\_\_.  
A) menarch      B) menopause      C) Puberty      D) Adolescence.
- 15) \_\_\_\_\_ is cleaner fuel.  
A) Coal      B) Wood      C) petrol      D) CNG

## SECTION - B

**II ] Answer the following questions in 2 or 3 sentences.**

- 1) Write two natural and two manmade causes of deforestation.
- 2) What is external fertilisation? Give its one example.
- 3) Write the function of hormone insulin and adrenalin in our body.
- 4) Name the gas evolved at positive electrode and negative electrode when current passed through acidified water.
- 5) Write one advantage and one disadvantage of electroplating.
- 6) Draw a diagram for Orion constellation.
- 7) Name two objects other than planets which are members of solar system.
- 8) Write two points to protect yourself if an earthquake occurs.
- 9) How is smog formed? Name one disease caused by it.
- 10) Water begins to flow towards ground as soon as we open a tap. Name the force responsible for it. Whether it is Contact force or Non-contact force?
- 11) Give reason-
  - a) Sole of the shoes are grooved.
  - b) The bodies of fish and bird streamlined.

## SECTION - C

**III ] Answer the following questions in 4 or 5 sentences.**

- 1) Write three consequences of deforestation.
- 2) What is acid rain? Write its two harmful effects.
- 3) Draw neat labelled diagram for male reproductive organ in human.
- 4) Explain – The onset of puberty is controlled by hormones.
- 5) What is electroplating? Electroplated tin cans used for storing food. Give reason.
- 6) Write three special environmental conditions which are responsible for the existence and continuation of life on the earth.
- 7) What should you avoid doing inside your home during lightning and thunderstorm?
- 8) Define atmospheric pressure. We are not crushed by the atmospheric pressure. Give reason.
- 9) Describe three points essential for better reproductive health.
- 10) Write three methods to reduce friction.
- 11) Describe an activity to show that liquid exerts equal pressure at the same depth with diagram

## SECTION - D

**IV ] Answer the following questions in detail.**

- 1) Explain reproduction in amoeba with neat labelled diagram.
- 2) Draw neat labelled circuit diagram showing electroplating of copper on iron article.
- 3) What is static friction? Which type of friction is smaller among Static friction and sliding friction and why?
- 4) Describe with the help of diagram an instrument which can be used to detect a charge body.
- 5) Name the constellation which is used to locate pole star. Draw diagram for locating pole star by that constellation.

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