

Final Term Examination 2017-2018

Std. : V
Subject : Science

Full Marks : 80
Time : 2hrs.+15mins.

(Attempt all questions)

1. Fill in the blanks (Do not copy any questions)

[10]

- (i) Oil and water are _____ liquids.
- (ii) Rocks are made up of substances called _____.
- (iii) _____ is an example of a complex machine.
- (iv) Inclined planes called _____ are provided in all hospitals.
- (v) The word _____ means mineral of fossilised carbon.
- (vi) Plants receive all the nutrients from _____.
- (vii) Building _____ along river prevents river water from flooding the nearby fields.
- (viii) _____ is also called soft coal.
- (ix) _____ is a gas that dissolves in water.
- (x) _____ by cattle removes the plant cover from the soil resulting in soil erosion.

2. Name the following :

[8]

- (i) Breaking up of rocks by wind, water etc., to form soil.
- (ii) The most common mineral on the earth.
- (iii) The process of a liquid changing into solid.
- (iv) The materials that get attracted to a magnet.
- (v) An example of a wedge —.
- (vi) The force that opposes motion in objects.
- (vii) The ability of a body to do work.
- (viii) This non metallic mineral is called black gold.

3. Match the following by rewriting the correct pair together.

[7]

Column A

- (i) scissor
- (ii) fishing rod
- (iii) wheel barrow
- (iv) falling of an apple
- (v) nail with a groove
- (vi) moving vehicle
- (vii) wheel connected to a rod

Column B

- gravitational force.
- third class lever
- wheel and axle.
- first class lever
- kinetic energy
- second class lever
- screw

4. Rewrite the following statements correctly.

[10]

- (i) The bedrock contains a lot of water.
- (ii) Basalt is formed when lava cools quickly.
- (iii) Atoms are made up of molecules.
- (iv) In a second class lever, the fulcrum is between the load and the effort.
- (v) Terrace farming is done in plains.
- (vi) Hydro energy is the energy obtained from wind.
- (vii) Pumice is used in the construction of buildings.
- (viii) A push or pull is called energy.
- (ix) Running water causes least amount of soil erosion.
- (x) Anthracite gives off very less heat when it burns.

5. Choose and write the correct answer.

[5]

- (i) Which of these gases is dissolved in soft drinks to make them fizzy ?
a) Oxygen b) hydrogen c) nitrogen d) Carbondioxide.
- (ii) Which of the following is a metamorphic rock ?
a) Limestone b) Gneiss c) basalt d) shale
- (iii) Which of the following is not an inclined plane ?
a) Wheel and axle b) wedge c) ramp d) screw
- (iv) Which of these is a physical change ?
a) Cutting a tree b) cooking vegetables
c) Burning of paper d) melting of ice-cream
- (v) Which of the following dissolves in water ?
a) sand b) chalk c) alcohol d) oil

6. Give any one use of the following :—

[4]

- (i) marble — (ii) quartzite — (iii) limestone — (iv) Petroleum —

7. The arrangement of particles in the three states of matter is shown below.

[1½+1½+2]

- (i) Identify, which figure shows which state of matter.
- (ii) Name and define the process of state (C) changing to state (B).
- (iii) Give any two differences between state (C) and state (A).

8. State any 2 differences between the following : [8]

- (i) Physical change and chemical change.
- (ii) Igneous rocks and sedimentary rocks.
- (iii) Fixed pulley and movable pulley.
- (iv) Top soil and bedrock.

9. Give reasons why — [6]

- (i) Liquids flow where as solids can not.
- (ii) A screw holds the wood more firmly than a nail.
- (iii) Soil is important for all living beings.

10. Answer the following questions. [12]

- (i) What are sedimentary rocks made up of ?
- (ii) Mention any two uses of coal.
- (iii) State any two ways of reducing soil erosion.
- (iv) What is matter ? What is it made up of ?
- (v) State any two changes that can be caused by force.
- (vi) Write two ways of conserving natural resources.

11. Draw the soil profile and label the different layers of soil. [5]