**AFSS CENTRAL EVALUATION SYSTEM**

Central Assessment Team (CAT), HO Islamabad

**Final Term/ Annual Examination 2016 – 2017**

**SCIENCE - Class V**

**100 marks 3 hours**

**INFORMATION FOR STUDENTS**

Marks are given against each question or part of question.

Write your name, roll number and date in the spaces provided below.

|  |  |
| --- | --- |
| Student Name:  | Roll No: |
| Center Name: | Date: |
|  | Day: |
| Invigilator Name: | Sign: |
| Marks Obtained:  | Remarks: |
| Examiner Name:Date: | Sign :Day: |

***OBJECTIVE-40marks***

**Q No1:Fill in the blanks. /10**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_materials allow only some light to pass through.
2. Luminous objects are those which can give a \_\_\_\_\_\_\_\_\_\_\_\_of their own.
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_occurs any time when the Earth and the Moon passes in front of the Sun.
4. Weight is measured in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Light travels much \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than sound.
6. The growth of the root through the seed coat is called as \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. Pods are also called as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process that changes gas into liquid.
9. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a strong wind.
10. \_\_\_\_\_\_\_\_\_\_\_\_\_ is the highest or lowest sound an object makes.

**b):Indicate whether the following statements are TRUE or FALSE. 10**

1. The strength of a magnet is concentrated at the ends. \_\_\_\_\_\_
2. Pollution is the contamination of soil, water or air. \_\_\_\_\_\_
3. High friction will keep things moving . \_\_\_\_\_\_
4. There are an estimated 352,000 species of flowering plants or angiosperms. \_\_\_\_\_\_\_
5. Sound travels faster than light. \_\_\_\_\_\_\_
6. In gas state matter takes the shape of the container and has definite volume. \_\_\_\_\_\_\_
7. In Plasma state matter is like gas but particles are electrically charged. \_\_\_\_\_\_\_
8. Rough surfaces increase the force of friction. \_\_\_\_\_\_\_
9. The force of gravity on something is called its mass. \_\_\_\_\_\_\_
10. Balanced forces do not cause change in motion. \_\_\_\_\_\_\_

\_\_

**Q No2:Choose the correct answer. 5**

1. This planet has 8 moons and is furthest away from the Sun. it’s atmosphere

 Is mostly hydrogen and helium.

1. Neptune \_\_b) Pluto c) Uranus d) Mars \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. A\_\_\_\_\_\_\_\_\_\_\_\_ is used for raising or moving heavy objects.

a) Lever (b) Wedges (c) inclined (d) plane

1. \_\_\_\_\_\_\_\_\_\_ % of soil is organic matter.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a) | 45 | (b) 35 | (c)5 | (d) 15 |

1. When solid changes its states to gas directly, it is called as \_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a) | condensation | (b) | evaporation |
| c) | sublimation | (d) | melting |

1. \_\_\_\_\_\_\_\_\_\_\_ seeds are good example of monocot plants.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | a) | wheat | (b) beans | (c) maze | d) Pea |

**B) Write down the kinds of pollution in front of each statement. 5**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| A factory releasing waste products into a nearby stream. |  |
| A motor bike releasing smoke in the air. |  |
| Children throwing garbage in the streets.  |  |
| Oil spilling from ships in water |  |
| Poisonous gases from industries |  |

**C) Complete the flow chart of sound, electricity and magnetism. 10**

 **Sound, electricity and magnetism**

***SUBJECTIVE-60 marks***

**Answer the following short questions. (any five) 5 x 3 = 15**

1. What is magnetic field?
2. What is the source of electromagnetism. How can they be made stronger?
3. Explain the term gravity.
4. Why is it important for the objects to be transparent?
5. What are micro-organisms? Give two examples.
6. What is a compass used for?
7. Write down the formula of reflection.
8. What is pollution and what are its different kinds?
9. Differentiate between the evaporation and condensation?

x) Differentiate between biodegradable and non-biodegradable wastes?

xi) What is inertia?

**B) Answer the following questions. (any eight) 7 x 5 = 35**

1. Write five cause of environmental pollution?
2. What is fuse? Write down its advantages.
3. Write down any five advantages and disadvantages of friction .
4. What are major properties of electric chargers?
5. What are the effects of medium on sound?
6. Explain refraction of light.
7. Explain how shadows are formed.
8. Explain water cycle.
9. How does pollination occur. Name different types of pollination.
10. What are the factors involved in seed dispersal?

viii) Differentiate between the evaporation and condensation.

ix) Write down the stages of evaporation.

x) Differentiate between anemochory and hydrochory?

**Q No3:Draw& Label the life-cycle of plant. /10**