**AFSS CENTRAL EVALUATION SYSTEM**

Central Assessment Team (CAT), HO Islamabad

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

**SCIENCE - Class VI**

**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-40 marks***

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

1. Anything that has \_\_\_\_\_\_\_\_\_\_\_\_ and occupies space is called matter.
2. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of an object in independent of the objects location in space.
3. All \_\_\_\_\_\_\_\_\_\_\_\_are on the periodic table.
4. Most non-metals are \_\_\_\_\_\_\_\_\_\_\_\_\_\_ at room temperature.
5. Materials that does not allow electricity to pass through are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Concave mirrors are \_\_\_\_\_\_\_\_\_\_\_\_\_\_inward.
7. Light travels in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_lines.
8. Acquired energy is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of an atom is the source of nuclear energy.
10. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a wheel that has a rope wrapped around it.

**Q No2:Choose the correct answer**. /6

1. What type of surface reflect light well?

a) Light coloured and smooth b) Dull and dark

c) dark coloured and smooth

1. How do mirrors work?

a) By reflecting the light that hits them b) by absorbing the light that hits them

c) By letting through the light that hits them

1. A material that lets electricity pass through it is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

a) an electrical conductor b) an electrical insulator

c) an electrical appliance

1. Which of the following materials is an electrical conductor?

a) Silver b). Cork c) Silver colored plastic

1. Scientific term of a shooting star is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

a) Asteroid b) Meteor c) Comet

 6. A technique used to separate mixtures of an insoluble solid and a liquid.

 a) Distillation b) filtration c) evaporation

**b):Identify the following. /4**

 Gear

 Teeth

 Axle

 Meshed area

**Q No3: Sort the following in the table given below. /10**

 Water Air Salt Dirt Oxygen

 Copper Coke Steel Rain Ice cream

|  |  |  |  |
| --- | --- | --- | --- |
| Element | Compound | Mixture | Solution |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Q No4:Classify the following as metal / non-metals. [8** marks]

 Silver \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Iron \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Oxygen \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Aluminum \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Carbon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Calcium \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Sulphur \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sodium \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**b): Identify the type of each pulley. [2 marks]**



 

***SUBJECTIVE-60marks***

**Give short answers to any five of the following questions 3x5=15**

1. Give three ways of separation a mixture?
2. Write the physical properties of metals.
3. Write properties of mixtures.
4. What is a reversible change? Give two examples.
5. What kind of mixture can you separate using the filtration method?
6. Why is energy of following water renewable?
7. What is mater? Name its different components.
8. Why is energy from biomass renewable?

**Q No2:Answer any four of the following questions. /20**

1. What is energy? Write the names of different forms of energy.
2. Define law of conservation of energy.
3. Write physical properties of metals?
4. Write various techniques of separating solutions and mixtures.
5. What are solutions? Write any three of its characteristics.
6. What are reflective surfaces and how can they be useful?

**Q No3: Write the symbols of the following elements. /10**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element** | **Symbol** | **element** | **Symbol** |
| Sodium |  | Hydrogen |  |
| Aluminum |  | Calcium |  |
| Oxygen |  | Carbon |  |
| Chlorine |  | Magnesium |  |
| Iron |  | Sulphur |  |

**Q4) What will be the mass and weight of a 10kg object on the Earth**. /5

1. Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Weight= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q5) What is the mass and weight of a 10kg object on the moon where force of gravity is1/6th of the Earth’s? /5**

1. Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Weight= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q No6:Label the diagram of energy conversion. / 5**

