**AFSS CENTRAL EVALUATION SYSTEM**

Central Assessment Team (CAT), HO Islamabad

**2nd Mid Term Examination 2016 – 17**

**SCIENCE - Class VI**

**50 marks 2 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-20marks***

**Q No1:Fill in the blanks. 5**

1. The force exerted by gravity on 5kg$≈$ \_\_\_\_\_\_\_\_\_\_\_\_N.
2. What is the mass and weight of 10-kg objects on the earth?

Mass= \_\_\_\_\_\_\_\_\_

Weight= \_\_\_\_\_\_\_\_\_

1. K.E = $\frac{mass × \\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_}{2}$
2. The \_\_\_\_\_\_\_\_\_\_\_ of an object is independent of the objects location in space.

**Q No 2: Classify the following as metals/non-metals. 5**

1. Aluminum \_\_\_\_\_\_\_\_\_\_\_ ii. Sodium \_\_\_\_\_\_\_\_\_\_\_
2. Sulphur \_\_\_\_\_\_\_\_\_\_\_ iv. Calcium \_\_\_\_\_\_\_\_\_\_\_
3. Carbon \_\_\_\_\_\_\_\_\_\_\_

**Q No 3: Choose the correct answer. 5**

1. Which of the following materials is an electrical insulator?
2. almuminium b) gold c) rubber
3. Which of the following materials is an electrical conductor?
4. silver b) silver-coloured plastic c) cork
5. What do long straight lines represented in a circuit diagram?
6. motors b) light bulbs c)wires

iv. In a circuit diagram, what does a circle with a cross inside it represent?

1. A light bulb b) a motor c) a battery

v. A material that does not let electricity pass through it, is called

 a) an electrical conductor b) an electrical insulator c) an electrical

 appliance.

**Q No 4**:**Write the different forms of the energy. 5**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***SUBJECTIVE-30(marks)***

**Q No 1: Answer any five of the following questions. 5x4=20** i) Why is energy from the the wind renewable?

 ii) Why is energy from the heat of the Earth renewable?

 iii) Give three ways of separating a mixture.

 iv) Explain K.E and potential energy.

 v) write the properties of mixture.

 vi) What is the mass and weight? Explain with examples.

**Q No 2: Draw a combine pulley. 5**

**Q No 3:Calculate the stick figure’s weight on the both earth and the moon. 5**

 Mass of stick figure on earth=100kg

 Acceleration due to gravity on Earth \_\_\_\_\_\_\_\_

 F = mass × \_\_\_\_\_\_\_\_

 Weight on earth \_\_\_\_\_\_\_\_\_

 Acceleration due to gravity on Moon: 1.62m/s/s

 Mass on Moon \_\_\_\_\_\_\_\_\_\_

 Weight on Moon \_\_\_\_\_\_\_\_\_\_