

**AFSS CENTRAL EVALUATION SYSTEM**

Central Assessment Team (CAT), HO Islamabad

**Final Term/ Annual Examination 2015 – 2016**

**SCIENCE - Class VIII**

**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:  Sign :

Date:  Day:

## **OBJECTIVE**

### **Q. No. 1: Fill in the blanks.**

**10**

- i) Plants make their own food by \_\_\_\_\_.
- ii) \_\_\_\_\_ are the food factories of plant.
- iii) \_\_\_\_\_ tells us how fast a thing is moving.
- iv) A \_\_\_\_\_ is a simple machine if helps to make work easier.
- v) A turning effect of a force is called a \_\_\_\_\_.
- vi) Pressure is \_\_\_\_\_ when the surface area is small.
- vii) Speed = /time
- viii) Chromosomes and genes are made of a chemical called \_\_\_\_\_.
- ix) Retardation means \_\_\_\_\_.
- x) Herbicides, fungicides and insecticides are all \_\_\_\_\_.

### **B) Indicate whether the following statements are TRUE or FALSE. 10**

- i) A chromosome has an average length of only 0.005mm.
- ii) Plants can not make their own food.
- iii) Soil does not contain million of living organisms.
- iv) Pressure is larger when the surface area is larger.
- v) A turning effect of a force is called a moment.
- vi) Water enters a plant through its leaves.
- vii) Fats and sugars are energy foods.
- viii) A resistor can be used to control the flow of current in a circuit.
- ix) A voltage of less than 60 volts is enough to kill a human.
- x) Clones are genetically identical organisms.

**C) Choose the best answer.**

**5**

i) Retardation means:

- a) Deceleration      (b) Acceleration      (c) Velocity

ii) Farmers add mineral element to their soils in the form of:

- a) Fertilizers      (b) Artificial fertilizers (c) nitrogen

iii) Acceleration =  / time take

- a) Change in velocity (b) Change in speed  
(c) Change in distance

iv) A turning effect of a force is called:

- a) moment      (b) effort      (c) Distance

v) Green houses made of glass are called:

- a) glass houses      (b) poly tunnels      (c) wood houses

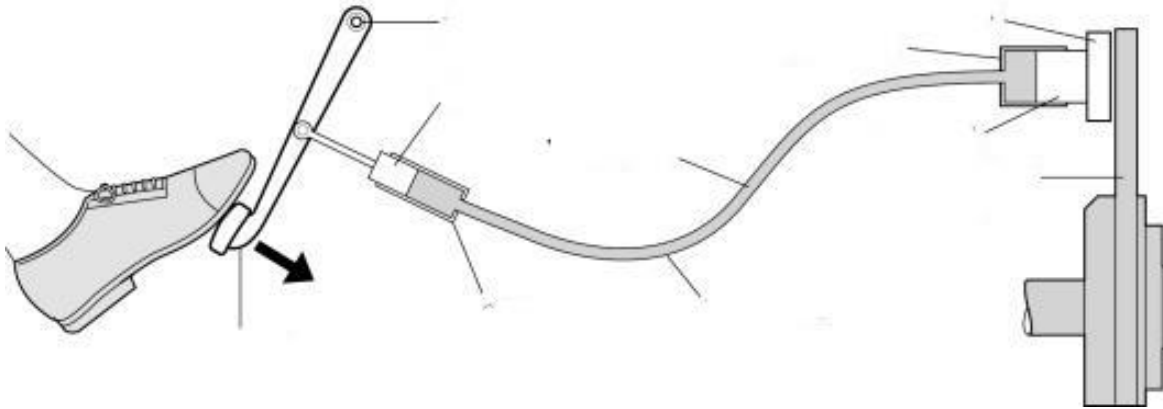
**Q. No. 2A: Match the fuel to the source.**

**6**

<b>A</b>	<b>B</b>
Alcohol	Mined for underground.
Coal	Made from crude oil for heating & lighting
Liquefied	Pumped from underground
Oil	Cut from boggy land.
Paraffin	Made by the electrolysis of water
Peat	Product of fermentation

**B) Label the diagram.**

**9**



**SUBJECTIVE**

**Q. No: 3. Answer the following short questions. (any five) 5 x 2 = 10**

- i) Name four things for which plants compete.
- ii) What is lever?
- iii) Name three fuels that come from oil.
- iv) Give one advantage of using hydrogen as a fuel.
- v) Write the word equation for.
  - a) Photosynthesis                      (b) Respiration
- vi) What is weight? How is it measured?
- vii) How are the planets of a solar system kept in orbit?
- viii) What are drugs?

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**B)** How much magnesium oxide would be produced if the following masses of the magnesium were burned in oxygen?

- (i) 0.24g      (ii) 1g      (iii) 2.4g      (iv) 24g

**Q. No. 6:** What are:

- i) Heribicides      (ii) fungicides      (iii) insecticides

**B)** Describe the problems of using pesticides.

**Q. No. 7:** Define the following terms:

- i) Acceleration      (ii) Speed

**B)** A bullet from a gun travels at 600m/s.

- i) How far does the bullet travel in 2S?  
ii) How long would it take to travel 150m?

**Q. No. 8:** What is satellite? Name four types of artificial satellites.

**B)** Explain the difference between a polar orbit and a geostationary orbit.

**Q. No. 9:** What are:

- i) Chromosomes      (ii) Genses

**B)** Write a word and chemical equation for the reaction between Zinc and Sulphuric acid.

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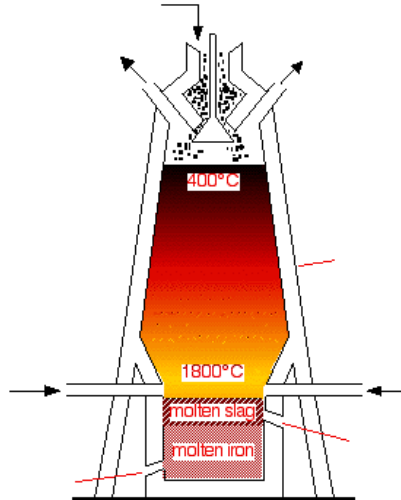






**Q. No. 10:** The diagram shows a blast furnace.

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a) What must be removed from iron ore to leave iron behind?

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b) How is the iron collected from the furnace?

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c) Suggest two reasons why hot air is blown through the furnace?

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d) Complete this word equation to summarize what happens in a blast furnace?

