

**PONDA SCHOOLS' ASSOCIATION**  
**JOINT FIRST SUMMATIVE EXAMINATION, OCTOBER 2018**

Questions	Marks obtained	
	Exam- iner	Mod- erator
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
Total :		

School : \_\_\_\_\_

SEAT NO. : 

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 (in figures)

SEAT NO. : 

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 (in words)

STD. : VIII

DIV. :

Sub : **SCIENCE (Question-Cum-Answer Paper)**

Language of Answer \_\_\_\_\_

No. of Pages : 8

Date : 31-10-2018

Time : 2 hours.

Max. Marks : 50

Supervisor's Signature with date : \_\_\_\_\_

**Q.I A. Select the most correct alternative from those given below each statement and fill in the blanks.**

1

1. Sound does not travel through \_\_\_\_\_.

- a) solids                      b) Liquids  
 c) gases                      d) vacuum.

2. In human beings the sound is produced by \_\_\_\_\_.

- a) Wind pipe              b) Mouth  
 c) Larynx                  d) Nose.

**B) Name the effect caused due to the following.**

1

i) The needle of the magnetic compass deflects when electric current passes through the wire kept close to it.

\_\_\_\_\_

ii) The bulb glows when the electric current is passed through it.

\_\_\_\_\_

C) Give reasons for the following.

1. Rohan went to a shop to buy a bucket. He noticed bucket A with a broader handle and a bucket B with a narrow handle. Which one would be easy to use and Why?

\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_

2. People living on the upper storey of the building complain of the lower speed of water coming through their tap. Whereas those on the lower or ground floor has no problem. Why?

\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_

3. It is difficult to pull out a sucker which is present against a smooth surface like a mirror.

\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_

D) i) Observe the co-relation between the words of the first pair and complete the second pair.

1. Force between the poles of the magnet: Magnetic force.

:: Force between the two charged bodies: \_\_\_\_\_

2. Force of friction: Contact force

:: Gravitational force \_\_\_\_\_

ii) A Sports person mostly uses shoes with spikes. Why?

\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_

E) On 12 Jan.2018, ISRO's Polar Satellite launch vehicle, successfully launched the 710 kg Cartosat 2 series a Remote sensing satellite.

(3)

i) Name the two forces acting on the rocket immediately as it leaves the launching pad.

\_\_\_\_\_

ii) Why will the satellite not be under atmospheric pressure as it moves around the earth?

\_\_\_\_\_

iii) Which force will keep the satellite moving in its orbit?

\_\_\_\_\_

Q.II A. Select the most correct alternative from those given below each statement and fill in the blanks. (1)

i) Fluid is a common name for \_\_\_\_\_

- a) Solids and liquids b) Liquids and gases
c) Solids and gases. d) solids liquids and gases.

ii) The force of friction acts \_\_\_\_\_

- a) In the direction of motion b) opposite to the direction of motion
c) perpendicular to the direction of motion. d) in any direction.

B) Name the following: (1)

i) The metal which is used to coat iron to prevent from rusting.

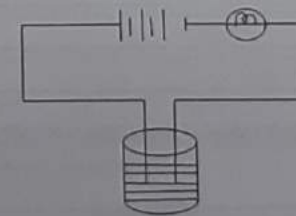
\_\_\_\_\_

ii) A device used by an electrician to detect the flow of current through a circuit .

\_\_\_\_\_

C) Answer the following by observing the diagram drawn below. (3)

The bulb does not glow in the set up, shown in the figure.



i) List any two possible reasons as to why the bulb does not glow.

\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_

ii) Mention two properties of the metal used in the above set up.

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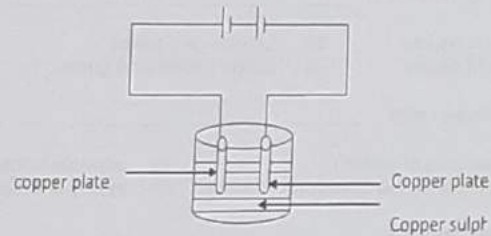
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iii) Name any two liquids which are good conductors of electricity.

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OR

C) Observe the following figure in which two carbon rods connected to a battery, are dipped in a copper sulphate solution. (3)



a) What happens to copper sulphate in the solution when electric current is passed through it?

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b) What change is observed on the negative electrode?

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c) What change is observed in the blue colour of the copper sulphate solution, as electric current is passed? why?

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D) "A student named Allayna noticed that the inner surface of the Coca - Cola can was covered with metal "Tin". (2)

a) Why are drinking cans coated with metal Tin in the inner surface.

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b) What is this process of coating called?

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E) Answer the following questions. (3)

i) Give two examples in support of the statement "Friction is a necessary evil"

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ii) What are lubricants?

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iii) It is always easier to roll a body than to slide it over another body. Give reason.

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Q.III, Match each item from column A with appropriate items associated with it, from column B and write in column C. (1)

Column A	Column B.	Column C.
a) Veena	i) Air Column	_____
b) Tabla	ii) Stretched string	_____
	iii) Stretched membrane	_____

B) i) A pendulum oscillates 50 times in 5 seconds. Find its time period and frequency. (2)

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ii) Water is not used to control fires involving electrical equipments. Why? (1)

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D) Answer the following (2)

i) Mention any two health problems caused due to noise pollution.

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ii) Doctors advise not to put sharp things in the ears. Why?

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E) Answer the following questions. (4)

i) Why is CNG considered as an ideal fuel?

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ii) Name any two products of coal.

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iii) Name any two places in India where Natural gas been found.

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iv) Mention any one measure you will take to reduce noise pollution.

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Q.IV A. Select the most correct alternative from those given below each statement and fill in the blanks. (1)

i) The organic matter used in agriculture is \_\_\_\_\_.

a) weedicide b) Fertiliser c) pesticide d) manure.

ii) Weeds are \_\_\_\_\_.

a) Pests b) unwanted plants c) locust d) crops

B) Name the following. (1)

i) Any one modern method of irrigation.

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ii) The nitrogen fixing bacteria present in root nodules of leguminous plants.

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C) Draw a neat labeled diagram of a plough and label (3)

i) a) Plough Shaft b) Plough share

ii) What is the effect of excessive use of fertilizers on soil?

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OR

C) Draw a neat labeled diagram of a Hoe And label (3)

- i) a) Bent plate      b) Beam

ii) How does tilling before sowing of crops control the growth of weeds?

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D) Louis Pasteur discovered " Pasteurisation" (2)

i) Why is milk Pasteurised ?

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ii) Describe the process of pasteurisation.

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E) Under the Pulse Polio Programme , polio drops are given to children as Polio vaccine. (3)

i) How does vaccination prevent diseases?

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ii) Name two vaccines other than the above mentioned one.

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iii) What are micro-organisms?

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Q V.A. Select the most correct alternative from those given below each statement and fill in the blanks. (1)

i) PET, which is used to make transparent bottles, jars is a \_\_\_\_\_.

- a) plastic      b) Nylon      c) Polyester      d) Acrylic.

ii) Rayon is made from \_\_\_\_\_.

- a) Coal, water and air      b) Ester      c) wood pulp      d) metals.

B) Give one word for the following: (1)

i) A place for large scale storage of grains

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ii) Growing of the same kind of plants on a large scale.

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C) Give one advantage of using manure to the soil. (1)

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D) Year 2018 Is declared as International year of " clean and healthy planet" (3)

1. Why does plastic cause environmental pollution?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. Give any two advantages of plastics.  
\_\_\_\_\_  
\_\_\_\_\_
3. Which are the 4 R's Principle to get away with plastics in recent years, to make our environment clean and green.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OR

3. How you as a student will try to keep your environment clean?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E) Answer the following questions. (4)

- a) What happens when?
  - i) Magnesium ribbon is heated in air .  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  - ii) Sulphur dioxide gas is dissolved in water.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b) Give one point to distinguish between metals and non- metals on the bases of their chemical properties.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c) Why is sodium stored in Kerosene?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_