

**SIDDEEQ PUBLIC SCHOOL**ENTRY TEST ... **49****SCIENCE**Max. Marks: **10**ADMISSION to CLASS: **7**

Checked by	Srv #	Sign:	Rechecked by	Srv #	Sign:	Marks:
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**Objective****Q.1 Fill in the blanks.** (1.0×4)

- (i) The muscular walls of the stomach perform \_\_\_\_\_ digestion by churning and mixing food with gastric juices.
- (ii) A/An \_\_\_\_\_ is a measuring instrument used to measure the flow of electric current in a circuit.
- (iii) Sugar is a compound formed by the bonding of carbon, hydrogen and \_\_\_\_\_ in fixed proportions.
- (iv) \_\_\_\_\_ is a method used to demagnetize magnetic substances.

**Short-Answer Questions**(Best **three** will be considered.)

(2.0×3)

**Q.2 Answer the following questions.**

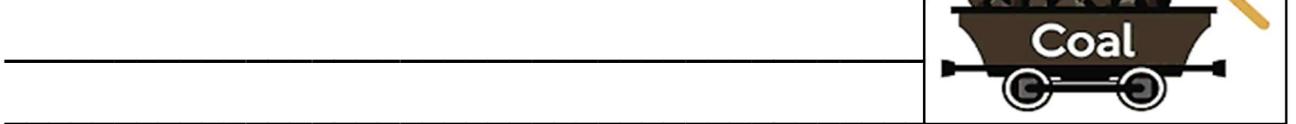
- (i) Write down any two similarities between animal and plant cells.**

- \_\_\_\_\_
- \_\_\_\_\_

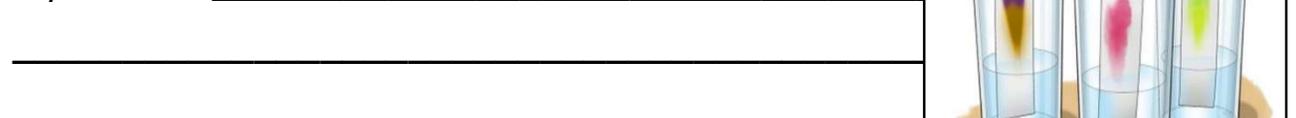
- (ii) Write down one source and one function of following minerals.**

Minerals	Source	Function
<i>Calcium</i>		
<i>Iron</i>		

- (iii) Identify the given energy source as renewable or non-renewable. Also justify your answer.**

**Identification :** \_\_\_\_\_**Justification:** \_\_\_\_\_

- (iv) Is chromatography a suitable method for separating ink from mixture of different dyes? If yes, explain the method.**

**Yes/No :** \_\_\_\_\_**Explanation :** \_\_\_\_\_*(Use backside of the sheet for continuation.)*

**ADMISSION TEST TO GRADE: 7****SCIENCE****KEY****Q.1 Fill in the blanks.**

- (i) Physical/Mechanical (ii) Ammeter  
(iii) Oxygen (iv) Heating/Hammering/Electrical

**Q.2 Answer the following questions.**

- (i) Similarities (Any two)  
Both animal and plant cells have a cell membrane, cytoplasm, a nucleus, mitochondria, ribosomes, and vacuoles.

(ii)

<b>Minerals</b>	<b>Source (Any 1)</b>	<b>Function (Any 1)</b>
<i>Calcium</i>	Dairy products, green vegetables like spinach and eggs	<ul style="list-style-type: none"><li>• Makes bones and enamel of teeth</li><li>• Clotting of blood</li><li>• Control muscles contraction</li></ul>
<i>Iron</i>	Liver, meat, fish, eggs, nuts, whole cereals and green vegetables	<ul style="list-style-type: none"><li>• Good for the formation of hemoglobin</li><li>• Transports oxygen in the blood</li></ul>

- (iii) Non-renewable energy source  
These are available in limited supplies because it takes very long time to replenish them. These cannot be used again and again.
- (iv) Yes

Ink is the mixture of different dyes, which are soluble in water and alcohol. With the solvents these dyes move up with different rates. In this way dyes are spread out into different colours on the filter paper. The paper that is obtained is called chromatogram.