**Bhartiyam International School**

**Periodic Assessment – 1 (2022-23)**

**Subject: Science (SET -1)**

**Class VIII**

**Date: 12 /07 /2022 Max. Mark: 20**

**Name. ­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­ \_\_\_\_\_\_\_\_\_ Roll no. \_\_\_\_\_\_ Duration: 1 hr**

General Instructions:

1. The question paper contains three sections.

2. All questions are compulsory

3. Marks for each question are marked along with.

**Section - A**

**I. FILL IN THE BLANKS: 0.5X4=2** i. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the chromosomes transfer hereditary character from parents

to offspring.

ii. At high altitudes, the atmospheric pressure is\_\_\_\_\_\_\_\_\_\_\_\_ than the pressure at sea level.

iii.\_\_\_\_\_\_\_\_\_\_\_ is the empty structure in the cytoplasm.

iv. Force exerted by our muscles is called \_\_\_\_\_\_\_\_\_\_ force.

**II. Very Short Answer Questions: 1X4=4**

1. Why do plants have cell walls and animals do not?

2**.** Does the pressure exerted by liquid increases or decrease with depth?

3. ‘Cell are the basic structural units of living organisms’. Explain.

4. What is the relation between direction of force of friction and direction of motion?

**Section - B**

**III. Short Answer Type Questions : -**

**(Question 5 and 6 are of 2 marks each while 7and 8 are of 3 marks each)**

 5. What do you mean by nucleus? Explain its function. 2

 6. A blacksmith hammers a hot piece of iron while making a tool. How does the force due to hammering affect the piece of iron? 2

7. Differentiate between eukaryotes and prokaryotes. Give examples. 3

8**.** Calculate the area on which a force of 2000 N exerts a pressure of 25 Pa. 3

**Section - C**

**IV. Long answer questions: - 1X4=4**

9. Suppose you are going in a jet plane and one of the windows breaks due to an accident. What problems do you think you will face?