

CHOITHRAM SCHOOL MANIKBAGH INDORE**CLASS IX Session: 2017-18****Subject: Science****Allotment Date: 01/09/2017****Assignment No: II****Submission Date: 08/09/2017**

S.No	QUESTION	MARKS	LEVEL
OBJECTIVE TYPE			
1.	Which of the following is not a compound? Marble, washing soda, Quick lime, Brass	1	Knowledge
2.	Draw a velocity- time graph for variable acceleration.	1	Understanding
3.	Justify the reason cell wall permits the cells of plants, fungi and bacteria to withstand very dilute external media without bursting.	1	hot
SHORT ANSWER TYPE I			
4.	Define pasturage. Name one local and one exotic variety of honey bee.	2	knowledge
5.	Write SI units of following momentum, impulse, displacement and frictional force.	2	understanding
6.	Can the direction of velocity of body changes, when acceleration is constant?	2	logic
7.	What mass of water must be added to 5g of sodium chloride to make 5% mass by mass percentage of the solution?	2	Hot
SHORT ANSWER TYPE II			
8.	i) Explain composite fish farming? What things should be kept in mind while selection of species and state one disadvantage of it? ii) Can you name two organelles we have studied that contain their own genetic material? iii) Where are Protein synthesized inside the cell?	3	understanding
9.	i) Differentiate between Prokaryotes and Eukaryotes. ii) Draw the well labelled diagram of plant cell and animal cell.	3	Multi conceptual
10.	Sanjeev went to vegetable market where vegetable vendor regularly sprinkle water on the vegetables in their basket i) Give reason to justify the above process. ii) What are the conditions for osmosis? iii) Write any two daily life example of osmosis taking place in your surroundings.	3	Value based
LONG ANSWER TYPE			
11.	a) Is air a mixture or a compound? Give three reasons. b) A substance when heated in excess of air forms carbon dioxide as the only product. Is the substance an element or the compound?	5	Logic
12.	a) A force of 5N gives a mass m_1 and acceleration of 8m/s^2 and mass m_2 an acceleration of 24m/s^2 . What acceleration will it give if both masses are tied together? b) A bullet of mass 0.04kg moving with a speed of 90m/s enters a heavy wooden block and is stopped after a distance of 60cm. What is the average resistive force exerted by the the block on the bullet?	5	Hot