

**CHOITHRAM SCHOOL MANIKBAGH INDORE****CLASS IX Session: 2018-19****Subject: Science****Allotment Date: 14/09/2018****Assignment No: II****Submission Date: 22/ 09/2018**

S.No	QUESTION	MARKS	LEVEL
<b>OBJECTIVE TYPE</b>			
1.	An known substance 'A' on thermal decomposition produces B' and 'C'. What is A – an element, compound or a mixture	1	Knowledge
2.	Name the property of the bodies to resist the change in their velocities.	1	Understanding
3.	What is the significance of meiosis that occurs during gametes formation?	1	hot
<b>SHORT ANSWER TYPE I</b>			
4.	What are the functions of vacuole in unicellular organism like amoeba?	2	knowledge
5.	A constant force of 12 N acts on a body for 4sec. Find the change in the linear momentum of the body.	2	understanding
6.	A ball is dropped from the edge of a roof. It takes 0.1sec to cross a window of height 2.0m. Find the height of the roof above the top of the window.	2	logic
7.	How much water should be mixed with 12 ml of alcohol so as to obtain 12% alcohol solution?	2	Hot
<b>SHORT ANSWER TYPE II</b>			
8.	Draw a well labeled structure of prokaryotic cell.  Write two differences between prokaryotic cell and eukaryotic cell.	3	understanding
9.	a. Why are lysosomes called as suicidal bags of the cell? b. Which cell organelle is involved in membrane biogenesis and how? c. Which cell organelle is involved in detoxification? Describe its types.	3	Multi conceptual
10.	Name two cell organelles that are called as semi-autonomous cell organelle and why? Write one similarity and one dissimilarity between these cell organelle.	3	Analysis
<b>LONG ANSWER TYPE</b>			
11.	ii) Give an example for the mixtures having the following characteristics and also Suggest a suitable method to separate the components of these mixtures. a) A volatile and a non-volatile component. b) Two volatile components with difference in boiling point less than 25°C. c) Two immiscible liquids. d) One of the component changes directly to from solid to gaseous state e) Two or more coloured components soluble in the same solvent.	5	Logic
12.	When a horizontal force P acts on a cart of mass 20 kg, it moves with a uniform velocity on a horizontal floor. When a force 1.2P acts on the cart, it moves with an acceleration of 0.05m/s <sup>2</sup> . Find the value of P.	5	Hot