CHOITHRAM SCHOOL MANIKBAGH INDORE
CLASS IX Session: 2018-19

Subject: Science Assignment No: III
Allotment Date: 14/12/2018 Submission Date: 18/ 12/2018

S.No	QUESTION	MARKS	LEVEL
	OBJECTIVE TYPE		
1.	Calculate molecular mass of $(NH_4)_2SO_4$ & $CuSO_4.5H_2O$	1	Knowledge
2.	A body of mass 150g and volume 250cm^3 is put in water. Will it float or sink.	1	Understanding
3.	A,B,C are three plants. A bear seeds but no fruits. B bears sporangia arranged in sori and the plant body of C is gametophyte and has no vascular tissue. Identify the groups to which these plants belong.	1	hot
	SHORT ANSWER TYPE I		
4.	Who proposed the five kingdom classification? Name its various Kingdom.	2	knowledge
5.	Define relative density.	2	understanding
6.	Give the relation between the buoyant force and the weight of a body for a floating body.	2	logic
7.	If the calcium salt of anion has formula Ca_3X_2 .What is the valency of X? Write the formula of sodium salt of X and aluminum salt of X.	2	Hot
	SHORT ANSWER TYPE II		
8.	Diagrammatically show the difference between three types of muscle fibres.	3	understanding
9.	Differentiate between- Gymnosperm and Angiosperm on basis of fruits Fungi and Plantae on basis of node of nutrition Monera and protista on basis of nucleus	3	Multi conceptua
10.	Name the tissue responsible for following functions in our body- a)Storage of fat (b) movement of limbs (c) movement of food in alimentary canal (d)Act as a barrier to keep different body system separate(e) carry messages to different parts of the body (f) clotting of blood	3	App
	LONG ANSWER TYPE		
11.	i) Silver nitrate reacts with sodium chloride to form sodium nitrate and silver chloride. It is found that 6.8 g of silver nitrate combines with 2.4 of sodium chloride and form 3.4 g of sodium nitrate. Applying law of conservation of mass calculate the mass of silver chloride formed. ii) How many atoms are present in: a) PH_3 Molecule b) PO_4^{3-} ion iii) Carbon and oxygen combine in the ratio 3:8 by mass to form carbon di oxide. What weight of oxygen gas would be required to react completely with 9 g of carbon?	5	Logic
12.	a) Calculate the increase in potential energy as block of 2 kg is lifted up through 2m. b) A man carrying a bag of mass 25 kg climbs up to a height of 10 m in 50 seconds. Calculate the power delivered by him to the bag.	5	Hot