

CHOITHRAM SCHOOL MANIKBAGH INDORE**CLASS X Session: 2018-19****Subject: Science****Allotment Date: 23/11/2018****Assignment No: 4****Submission Date: 3/ 12/2018**

S.No	QUESTION	MARKS	LEVEL
OBJECTIVE TYPE			
1.	Write the formula and draw electron dot structure of carbon tetrachloride.	1	Knowledge
2.	Why is much less heat generated in long electric cables than in filament of electric bulb?	1	Understanding
3.	Differentiate between male germ cell and female germ cell. (Any two).	1	hot
SHORT ANSWER TYPE I			
4.	What is the basis event of reproduction? Write significance of the process.	2	knowledge
5.	Three equal resistances when combined in parallel are equivalent to 9Ω . What will be their equivalent resistance when combined in series?	2	understanding
6.	Three resistors A, B and C of 1ohm, 2ohm and 1.5ohm respectively are connected in the form of a triangle. Calculate the net resultant resistance if- 1. Current enters through A and goes out from B. 2. Current enters through B and goes out from C.	2	logic
7.	During extraction of metals, electrolytic refining is used to obtain pure metals. (a) Which material will be used as anode and cathode for refining of silver metal by this process? (b) Suggest a suitable electrolyte also. (c) In this electrolytic cell, where do we get pure silver after passing electric current?	2	Hot
SHORT ANSWER TYPE II			
8.	a. What is pollination? State its types with examples. b. How pollination is different from fertilization? (Two differences)	3	understanding
9.	Answer the following questions in brief: a. What causes (i) Kala azar (ii) Malaria ? b. What is the role of seminal vesicle and prostate gland in human male? c. Write any four benefits of vegetative propagation in plants.	3	Multi conceptual
10.	Draw the following diagrams any do any four correct labels- a. Diagram of fertilization in plants. b. Diagram of human male reproductive system	3	Value based
LONG ANSWER TYPE			
11.	Two ores of a metal (having moderate reactivity) A and B were taken. On heating, ore A gives CO_2 whereas, ore B gives SO_2 . What steps will you take to convert them into metals?	5	Logic
12.	1. What should be the resistance of an ideal voltmeter? 2. Why an ammeter is always connected in series? 3. Three resistors 6ohms, 2 ohms and x are connected in series to a cell of emf 1.5V. The current registered is $(1/6)A$. Calculate the value of x.	5	Hot