

CHOITHRAM SCHOOL MANIKBAGH INDORE**CLASS XII Session: 2018****Subject: Biology****Allotment Date: 26/04/18****Assignment No: I****Submission Date: 13/06/18**

S.NO	QUESTION	MARKS	LEVEL
OBJECTIVE TYPE			
1.	In case of polyembryony, if an embryo develops from synergids and another from nucellus, which is haploid and which is diploid.	1	knowledge
2.	Name the substance which is present in intine and exine.	1	understanding
3.	Banana is a parthenocarpic fruit where as orange shows polyembryony. How they differ in respect to seeds.	1	hot
SHORT ANSWER TYPE I			
4.	Where is sporopollenin in plants? State its significance with reference to its chemical nature.	2	knowledge
5.	Mention the function of (a) tassel of corn cob (b) tapetum in microsporangium.	2	understanding
6.	How many microspore mother cell would be required to produce one hundred pollen grains in a pollen sac? And why?	2	logic
7.	How does kernel differ from coconut water. Name the product of fertilization that form kernel in coconut.	2	hot
SHORT ANSWER TYPE II			
8.	What is amniocentesis? Why has the government imposed a statutory ban in spite of its importance in medical field.	3	understanding
9.	Identify the following organs in flowering plant whether the haploid or diploid – ovary, anther, egg, pollen, male gamete, zygote	3	multiconceptual
10.	In human beings, Father is biological responsible for the sex of the child and not the mother. a) Is the statement true? Explain b) Why still in India Mothers are blamed for it.	3	value based
LONG ANSWER TYPE			
11.	Explain menstruation? What are the specific action of FSH, LH, estrogen and progesteron in this cycle.	5	logic
12.	i) Why are human testes located outside the abdominal cavity? Name the pouch in which they are present. ii) How the entry of one sperm and not many ensured into an ovum during fertilization in humans. iii) Menstrual cycles are absent during pregnancy. Why?	5	hot