



# S.S. Divine School

Pre – Primary , Primary, Secondary & Higher Secondary  
Opp.Science City, Sola M : 70693 11011  
E-Mail :ssdivineschool2015@gmail.com



Std: 12 EM  
Subject: Biology (056)  
Time:1 Hour

Date: / /2022  
Roll No:  
Max.Marks:25

## Section A

**Choose correct answer from the given options. [Each carries 1 Mark]**

1. Amoeba and Yeast reproduce asexually by fission and budding respectively, because they are  
(A) Microscopic organisms (B) Heterotrophic organisms  
(C) Unicellular organisms (D) Uninucleate organisms
2. There are various types of reproduction. The type of reproduction adopted by an organism depends on  
(A) The habitat and morphology of the organism  
(B) Morphology of the organism  
(C) Morphology and physiology of the organism  
(D) The organism's habitat, physiology and genetic make up
3. Which of the following is a post-fertilisation event in flowering plants ?  
(A) Transfer of pollen grains (B) Embryo development  
(C) Formation of flower (D) Formation of pollen grains
4. Among the terms listed below, those that are not technically correct names for a floral whorl are :  
(i) Androecium (ii) Carpel (iii) Corolla (iv) Sepal  
(A) i and iv (B) iii and iv  
(C) ii and iv (D) i and ii
5. A particular species of plant produces light, non-sticky pollen in large numbers and its stigmas are long and feathery. These modifications facilitate pollination by  
(A) Insects (B) Water (C) Wind (D) Animals
6. Spot the odd one out from the following structures with reference to the male reproductive system  
(A) Rete testis (B) Epididymis (C) Vasa efferentia (D) Isthmus
7. Spermiation is the process of the release of sperms from  
(A) Seminiferous tubules (B) Vas deferens (C) Epididymis (D) Prostate gland
8. Which of the following hormones is not secreted by human placenta ?  
(A) hCG (B) Estrogens (C) Progesterone (D) LH
9. The membranous cover of the ovum at ovulation is  
(A) Corona radiata (B) Zona radiata (C) Zona pellucida (D) Chorion

### **Section B**

**Write the answer of the following questions. [Each carries 2 Marks]**

1. Differentiate between a zoospore and a zygote.
2. What is apomixis and what is its importance ?
3. What is menstrual cycle ? Which hormones regulate menstrual cycle ?

### **Section C**

**Write the answer of the following questions. [Each carries 3 Marks]**

1. Differentiate between microsporogenesis and megasporogenesis. Which type of cell division occurs during these events ? Name the structure formed at the end of these two events.
2. What is triple fusion ? Where and how does it take place ? Name the nuclei involved in triple fusion.

### **Section D**

**Write the answer of the following questions. [Each carries 4 Marks]**

1. What is oogenesis ? Give a brief account of oogenesis.