

## REPRODUCTION UNIT-6 XII<sup>th</sup>

### Questions in JAC Board exam 2017

1. Cross pollination in maize plant takes place by means of = Anemophily (1 marks)
2. The science which deals with study of fruits is known as = Pomology (1 marks)
3. Write the name of component cells of an embryosac. (3 marks)
4. Stroma is present in = Ovary (1 marks)
5. Label the diagram given below:  
(Diagram of an ovum) (3 marks)
6. One in match the following :- (1 marks)  
Sertoli cell → Testis

Total = **10 marks**

### Botany 2018

1. Conidia is an asexual reproducing structure of which organism? = Fungi (1 marks)
2. In a typical, embryosac, how many cell and nuclei are found?  
= 7 cells and 8 nuclei (1 marks)
3. The edible part of apple is = Thalamus (1 marks)
4. What is Triple fusion? Name the nuclei involved in triple fusion? (1+1 marks)
5. Describe the structure of typical Angiospermic microsporangium with diagram? Also explain the function of each part? (3+2 marks)
6. Leydig cell is present in = Testis (1 marks)
7. One in match the following :- (1 marks)  
Testis → Spermatogenesis
8. Describe the process of spermatogenesis with suitable diagram? (5 marks)

Total = **17 marks**

*Amitabh*

Kumar Amitabh  
Head, Dept. of Biology  
Inter Science College  
Mazaribag

Botany 2019

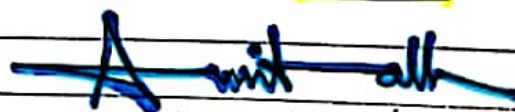
1. Cross pollination in maize plant takes place by means of = Anemophily (1 mark)
2. Perisperm is remaining part of which of the following? = Nucellus (1 mark)
3. Removal of anther to prevent self-pollination is called = Emasculation (1 mark)
4. Why the process of fertilisation in Angiosperm is referred as double fertilisation? (3 marks)
5. What do you understand by seed dormancy? (5 marks)
6. <sup>zoology</sup> Name chief layers of human ovum? (3 marks)
7. Describe the process of oogenesis with suitable diagram? (5 marks)
8. One question in match the following:-  
Spermatogonia  $\longrightarrow$  Sperm (1 mark)

Total = **20 marks**

Botany 2020

1. If chromosome number is diploid cells of maize is 20, then the number of chromosome in gametes of maize will be = 10 (1 mark)
2. A mature angiosperm embryo sac is = 8 nucleated and 7-celled. (1 mark)
3. Draw a neat well labelled diagram of embryo sac? Explain its development? (5 marks)
4. <sup>zoology</sup> How many sperm are produced from a single spermatogonia? = 4 (1 mark)
5. Write the differences between spermatogenesis and oogenesis? (3 marks)
6. With the help of a diagram describe the structure of Human sperm? (5 marks)

Total = **16 marks**



**Kumar Amitabh**  
Head, Dept. of Biology  
Inter Science College  
Hazarihat