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class : Deg.-I (subs.)

chapter : Fungi - Albugo

Topic : Life cycle of Albugo candida (continued)

Lecture No. - 60

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Life-cycle of Albugo candida (contd.):

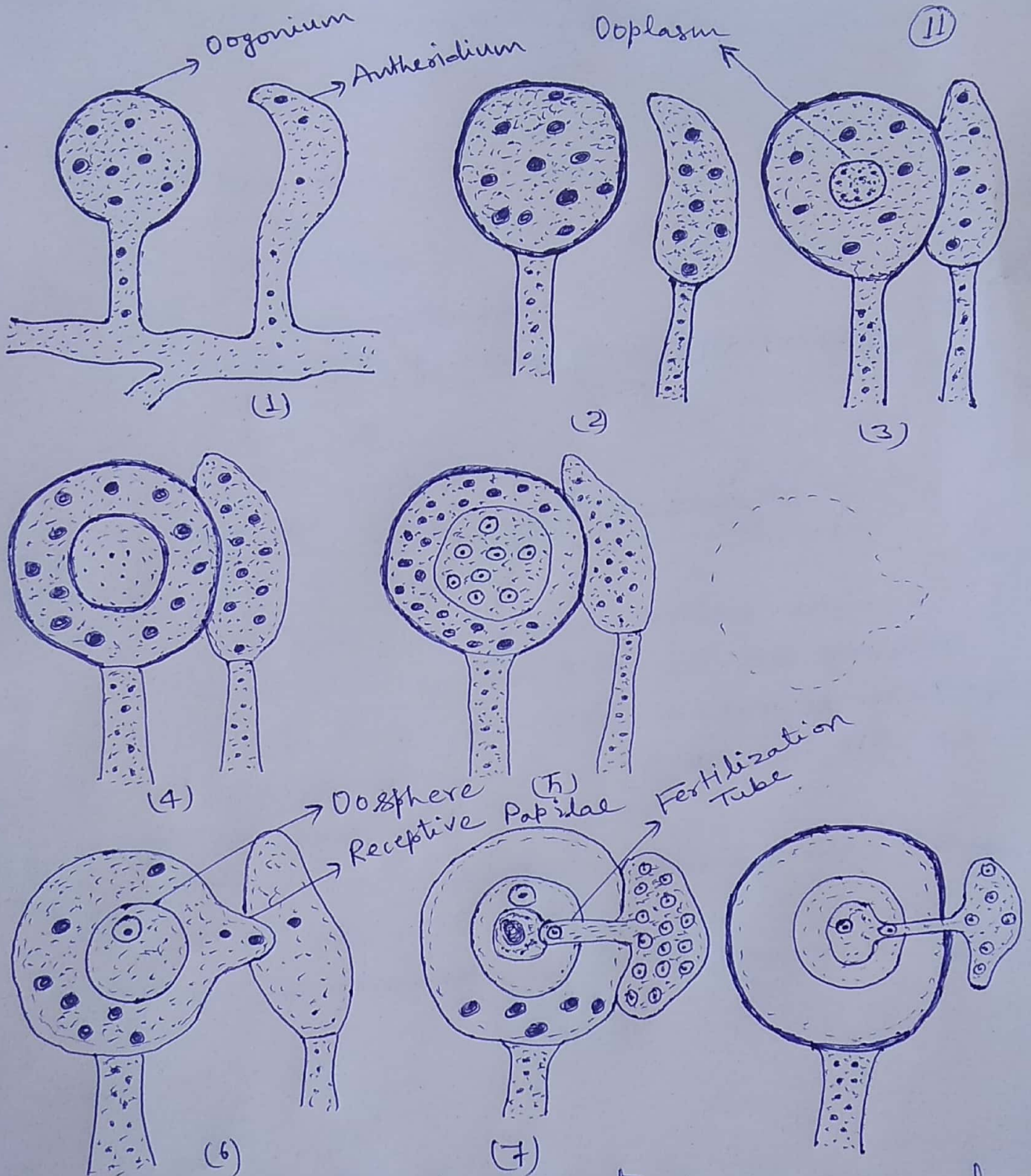
Fertilization:

The antheridium is comes in contact with the oogonium at at the side. The double wall at the point of contact dissolves. A fertilization tube from the antheridium enters the Oogonium and introduces single male nucleus with some cytoplasm. The male and the female nuclei fuses and therefore zygote or oospore is formed.

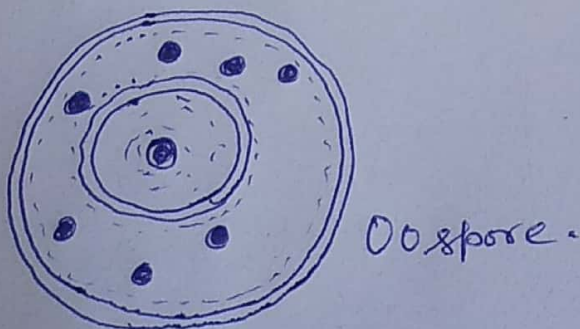
The zygote is spherical structure with a two layered thick wall around itself.

The outer wall is exosporium which is thick and rough, while the inner wall is endosporium, which is thin and smooth.

The zygote is transformed into oospore.



(Fig: stages in the development of sex organs and fertilization.)



(Continued)