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Class : Deg. - I (Subs.)

Chapter : Fungi - Albugo

Topic : Life-cycle of Albugo candida (Continued.)

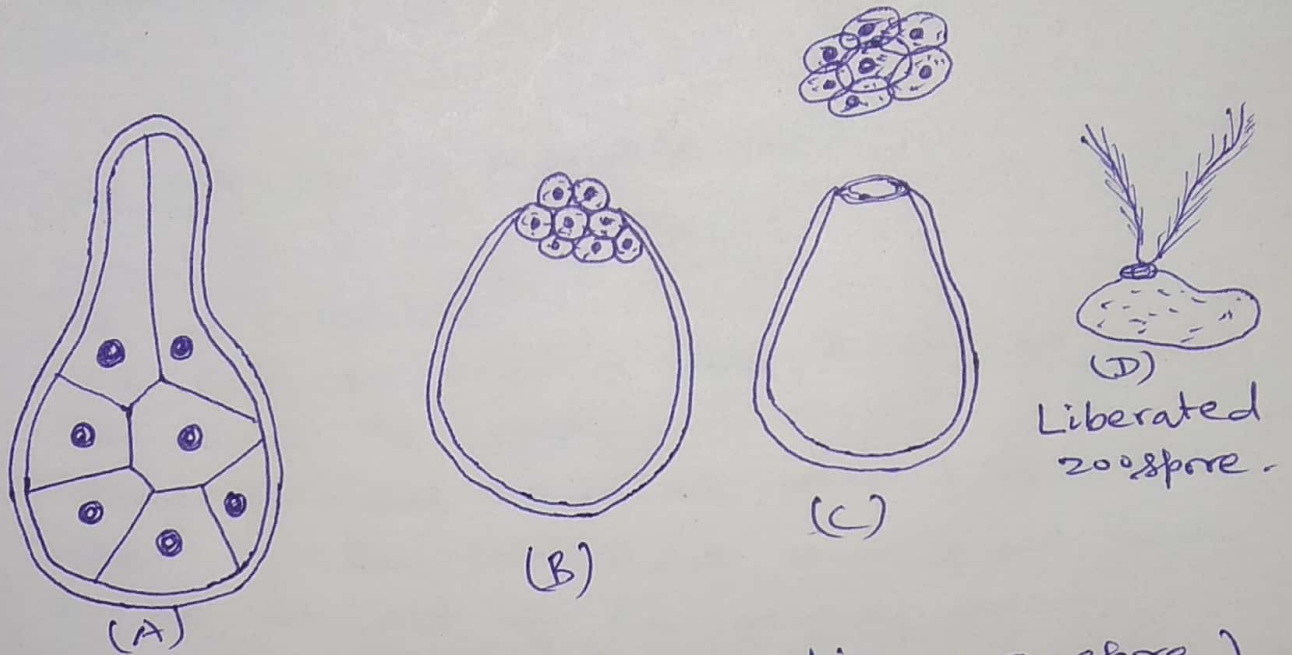
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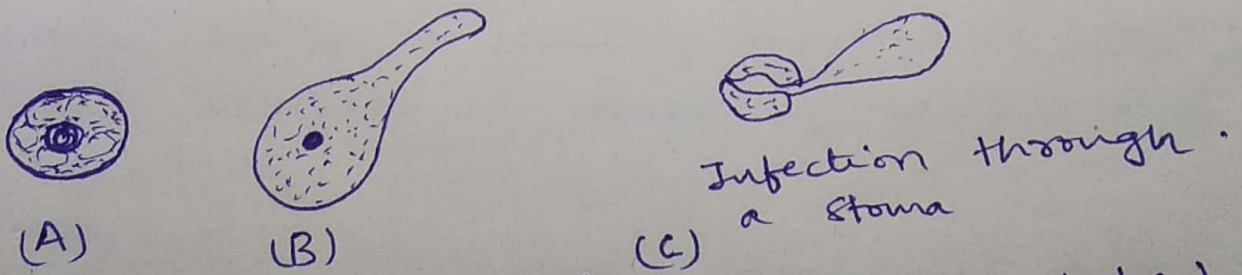
Life-cycle of Albugo candida (Contd.):

- Germination of Sporangia :
- Landing on a suitable host, sporangia begin to germinate within 2 to 3 hours. The factors governing germination are moisture and temperature conditions.
In presence of moisture, provided by rain or dew drops and at low temperature, the sporangium begin to germinate.
- The protoplasmic contents of each sporangium divide to form a few (4 to 8 or more) kidney shaped zoospores, each with two lateral cilia.
- The sporangium bursts and zoospores escape. They swim about for some time in the water that collects on the surface of the host plant.
- They soon lose their cilia, cover themselves with a wall and come to rest.

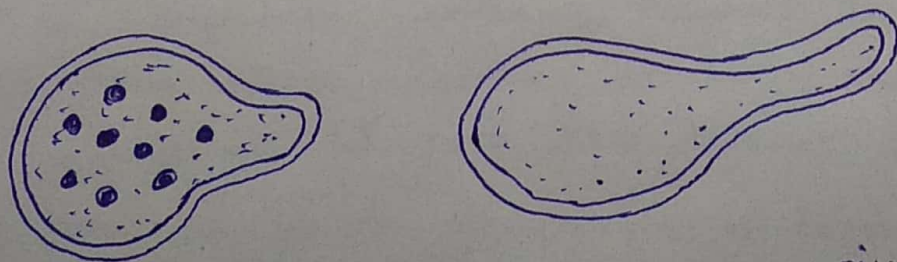
- later, they germinate by producing a germ-tube, which enters the host through stoma.
- Sometimes a sporangium germinate directly without the invasion of the zoospore.



(Fig: Differentiation and Liberation of zoospore)



(Fig: A.- Encysted zoospore)
B. Germination of cyst to form a germ tube)



(Fig: Direct germination of sporangium)

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