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B.Sc. PART I PAPER - I

CORE CONCEPT OF MYCOLOGY

DISEASE CYCLE: The primary inoculum as well as the secondary inoculum may again cause infection on the same host - the secondary infection. The production of secondary inoculum and inducing secondary infection may be repeated several times during the current season. During disease development chain of events follows in regular succession in cyclic order and is known as disease cycle. The disease cycle initiates associated with the life cycle of the pathogen since both are independent on each other. In case of a pathogen being an obligate parasite, disease cycle and life cycle are interdependent. But where a pathogen has its

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Life cycle comprising partly parasitic phase and partly saprophytic phase in such case the disease cycle is dependent primarily on that part of the life cycle during which the pathogen passes parasitically. The disease cycle usually comprises of two cycles -
1. primary disease cycle and
a secondary disease cycle.

