



**Q.1. Give short answers of the following: (15x2=30)**

1. What is the economic importance of *Saccharomyces*?
2. Differentiate between Gilled and Non-Gilled fungi.
3. What are operculate discomycetes?
4. Differentiate between *Agaricus* and *Amanita* with labeled diagrams.
5. What are hypogeous and epigeous fruiting bodies?
6. Differentiate between Damping off and late blight of potato.
7. Differentiate between Conidium and Spore.
8. What is the difference between smuts and rusts?
9. What is ectomycorrhiza and endomycorrhiza?
10. Write a note on industrially important fungi.
11. Describe parasexual life cycle of Deuteromycotina.
12. What is the composition of wall of *Rhizopus* hypha?
13. What are Sterigmata?
14. Name the fungus used for the fermentation of cheese
15. Differentiate between Apothecium and Perithecium.

**Q.2. Answer the following questions. (3x10=30)**

1. (a) What is black stem rust of wheat? Give methods to control this disease.  
(b) Write beneficial role of Vesicular Arbuscular mycorrhiza in agriculture?
2. (a) Describe general characteristics of Mucorales.  
(b). Explain life cycle of *Claviceps purpurea*
3. (a). What are lichens? Discuss its various growth forms.  
(b). Describe general characters of Hymenomycetes