



"बेटी बचाओ, बेटी पढ़ाओ"

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
Faculty of Education & Methodology

Teacher Name & Designation : **Dr. Anupama Goyal**, Associate Professor

Department Name : Department of Science & Technology

Program Name : M.Sc. Botany

Semester : Ist Semester

Course/Subject Name : MYCOLOGY

Sr.No.	Course Outcome
1	When you complete this class you should be able to: 1. Discuss the importance of fungi in various ecological roles 2. Demonstrate an understanding of how fungi impact human affairs 3. Outline the higher taxonomy of the fungi and how the fungi relate to other organisms 4. Discuss the characteristics of the major classes and orders within the fungal kingdom 5. Identify the major families and certain species of mushrooms and other macro fungi 6. Demonstrate a working knowledge of how fungi grow and reproduce, and where and how they can be isolated
2	1) To know the structural, physiological, genetic, and growth characteristics of fungi. 2) To understand the principles and schemes used to classify fungi. 3) To appreciate the beneficial roles fungi play in biotechnology, food production, and the environment, as well as the negative impact of certain fungi on humans. 4) To learn the basic techniques used to collect, grow, observe, and identify fungi.
3	This course will help to enhance the cognitive skills , analytical and professional skills of the students
4	The course will help in troubleshooting and problem solving The students shall acquire the practical skills for the cultivation of fungi and shall be able to carry out purification and identification.
5	Upon successful completion of this course The student will be able to: ● Identify the distribution of fungi in nature. ●List the positive and the negative roles of fungi in life.

	<ul style="list-style-type: none"> ● Discuss the systematic classification of fungi. ● Describe the general characters of fungi. ● Recognize the characteristics of myxomycetes and their important genera. ● List the different divisions related to Eumycota. ● Describe Mastigomycotina and some related genera. ● Compare between some genera related to Zygomycotina ● List the way of classification of Ascomycotina ● State the economic importance of ascomycetous fungi such as Saccharomyces, Aspergillus, Penicillium. ● Summarize the way of classification of Basidiomycetes and some resembling genera
6	<ul style="list-style-type: none"> ● Upon successful completion of this course The student will be able to: State the economic importance of ascomycetous fungi such as Saccharomyces, Aspergillus, Penicillium. ● Summarize the way of classification of Basidiomycetes and some resembling genera ● Discuss the life cycles of rust and smut fungi ● Summarize the characters and classification of Deuteromycotina ● Label some of resembling genera in Deuteromycotina
7	<p>Upon successful completion of the module a student will be able to:</p> <ol style="list-style-type: none"> 1. Describe the basic structure and classification of pathogenic fungi; 2. Demonstrate knowledge and understanding of the pathogenesis of the various mycoses, their clinical manifestations, diagnosis and management; 3. Apply relevant identification techniques and skills in any laboratory settings using moulds or yeasts.