## MB-10 OPTION (B). APPLIED MYCOLOGY

Max. Marks - 80

Units	Topics Macl
heques (Cult o eguiser other ocal	General Characteristics of fungi, Taxonomic status and Classification of Fungi, Fungi Harmful to mankind, Fungi as pathogen, to plants, Animal & human beings, Spoilage of food stuffs:
	Mycotoxins such as Aflatoxins, Ochratoxins, Zearalenone, Trichothecene, Mushroom Toxins, Ergot toxins, deteriorations of articles & timbers.
an alaubang	Fungi as a food: Detailed account of mushrooms & their cultivation, Yeast & its related Industries, Single cell proteins & its production.
	The Economic importance of the fructification of: Agaricus bisporus Amanita Vaginata Boletus edulis Lentinus edodes Morchella, Pleurotus, Volvaria & Rhizopus
Biodoloriii (di novilin, Arex enikal eprili Albertarredo	Fungi as medicines Industrial production of Ergot, Ephedrine, Steroids, Vitamins, Antibiotics Fungi in production of organic Acids: Citric Acid, Itaconic Acid, Gluconic Acid, Kojic Acid, Gallic Acid, Fumaric Acid.
e IV au violos	Fungi in Industries such as Brewery Industries Baking Industries Dairy Industries Fungi in Enzyme Production such as Inverstase, Zymase, Amylase, Cellulase
V	Broad principles of Fungal disease management, Disease forecasting, Regulatory and physical measure of fungal disease management - management of disease by cultural produces, cropping sequences, organic amendments: Biocontrol of fungal diseases, chemical measures of disease management,
	Fungi in agriculture: Fungicides
	As Scavangers As biological control Importance of Mycorrhiza In soil aggregation & soil fertility As growth hormones As insecticides