

MB-10
OPTION (E). PLANTS & SOCIETY

Max. Marks - 80

| Units | Topics |
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| I | <p>Historical Background History of plants and development of society Role of plants in tracing human history. Early domestication, centres of major cultivated plants viz. Cotton wheat, rice sugarcane, maize, tea, potato, tomato, groundnut Plants in Mythology, folklores Role of Ethnobotany in relation of development of society.</p> |
| II | <p>Plants & Human Health Usage of plants in different systems of medicine allopathic, Homeopathic Aurvedic, Herbal Medicine, and concept of Herbal Cosmetic. Plants as health hazards-Allergens narcotics, opium, tobacco, cannabis, betel nut. Food spoliage Viral, Bacterial and fungal diseases of human beings.</p> |
| III | <p>Plant and Other Uses:</p> <p>1) Agriculture: Organic farming. Organic fertilizers and biofertilizers. Viral, bacterial and fungal diseases of important crop plants, symptoms, appraisal disease forecasting and several methods of control.</p> <p>2) Horticulture: Common methods of horticultural practices. Green house. Layout of kitchen garden, ornamental garden and fruit trees. Floral calender. Silviculture, Fire wood & timber yielding plants. Green revolution - Benefits and adverse consequences.</p> |
| IV | <p>Plants in Enterprenural Areas - A: Use of plants in earning livelihood - Such as Bamboos, Rattans; Raw materials of paper makings, Gums tannins, dyes, resins and fruits. Techniques of cultivation and marketing of Aromatic Plants - Lemon grass, plasma rosa Medicianl plants - Chlorophytum, guggul Floriculture - rose and gladioli.</p> |
| V | <p>Plants in Enterprenural Areas - B: Techniques of cultivation and marketing of Mushroom Cultivation, Nursery management, Vermuculture, Mass cultivation of few plants using tissue culture techniques. Bonsii Techniques.</p> |