

Syllabus of Subject Awareness for M.Sc. (Food Science)

Entrance Examination (GBU-ET 2020)

- Food Chemistry: Water, Carbohydrates, Lipids, Proteins, Vitamins, Minerals, Enzymes
- Food Nutrition: Human Nutrition and Health, Recommended Dietary Allowance, Common nutrition deficiency such as protein deficiency malnutrition (PEM), vitamin deficiency, iodine deficiency, calcium deficiency.
- Food Microbiology: Classification, morphology, physiology, growth, nutrition and reproduction of microorganism, pure culture techniques and maintenance of cultures, control of microorganisms. Sources of contamination. Microbiological standards of foods. Food poisoning and food borne infections
- Food Technology: Juices, pulp, Puree, Paste, Ketchup, Sauce, soup, concentrates and powders, Squashes and cordials. Food Processing and Preservation methods
- Beverage & Milk: Carbonated and Non-carbonated. James, Jellies and Marmalades. Physico-chemical properties, Production and collection, cooling and transportation of milk. Clarification and filtration of milk, pasteurized and homogenized, whole milk, Standardized milk, Toned, Double toned, skim and special milks

ENGLISH PROFICIENCY

Comprehension, Vocabulary, Basic English Grammar (like usage of correct forms of verbs, prepositions and articles), Word power, Synonyms and Antonyms, Meanings of words and phrases, Technical writing

GENERAL AWARENESS

Current Affairs of National and International Economy, History, Sports News, Science in everyday life, Politics, Geography, Culture, Economics, Trade Awareness, Personalities in News, Indian Constitution.