Enclosure to Item No. ___

UNIVERSITY OF MUMBAI

ORDINANCES, REGULATIONS, SCHEME AND SYLLABUS FOR THE B. Voc Course IN GREEN HOUSE MANAGEMENT

(Under the Credit Based Semester and Grading System (CBSGS) with effect from the academic year 2016–2017)

Objectives:

With the ever increasing world population and changing climate – unpredictable weather conditions, the planet faces a challenge to feed billions and billions of people with less and less land available. 92% of the crops grow in the open fields. Farmers struggle with the adverse climatic conditions every year.

Green house technology has helped man to overcome this problem. It is possible to grow plants in countries which are extremely cold / hot and even in deserts. An ideal artificial micro climate is made possible within the green house depending upon the requirement of the plants being grown.

Green House construction is relatively inexpensive and green houses are easy to install and have lower maintenance costs. Optimum water usage is usage and can be shifted easily. The product of the green house is uniform and consistent as it is grown under protected conditions free from the stress of the harsh environment. This ensures not only a high yield but also an excellent crop quality. One is able to manipulate the conditions in the green house to get all year round crop including off season production of flowers, fruits and vegetables.

In India it is aimed that, agricultural productivity should equal to that of the countries which are considered as economic powers of the world. The greenhouse system may be one key element to sustain food in the growing population/economy.

Furthermore, green house technology is an ideal opening for budding entrepreneurs in a developing country like India. Employment generation, enhancement of skilled manpower and superlative performance of green house products in the International markets resulting in economic growth are positive offshoots of this course.

The main objective of the B. Voc course in Green House Management is to develop trained human resources for the Green House Industry.

The three year Bachelor of Vocational Studies programme is such that the student will be awarded a Certificate on completion of their first year, a Diploma on completion of the second year and a Degree on the successful completion of the course.

The educational objective of the degree program is to:

1)Provide advanced understanding of the propagation practices and green house management

2) growth and/or development within the practical context of the cultural and business practices applied in a horticultural discipline.

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B. VOC COURSE IN GREEN HOUSE MANAGEMENT

(O) Title: BVoc. in Green House Management.

(R) Duration:

i) Six Months - Certificate course

ii) One year full time – Diploma course

iii) Two years full time –Advanced Diploma course

iii) Three years full time --Degree course

(R) Total credits and study hours per semester:

Component	Credits	Study Hours
Skill Component	Total 18	270 hours
	Theory 06 – 3 papers of 2 credits each	120 hours
	Practical and project work –12 credits	150 hours
General Education Component	Total 12	180 hours
	Theory 06 – 3 papers of 2 credits each	90 hours
	Practicals and Project work –6 credits	90 hours
Total per semester for all the three years	30 Credits	450 hours

(O) Eligibility:

Following candidates are eligible for admission

- HSc in Arts (Humanities) or Science or Commerce (10+ 2 in any stream) .
- Admission will be granted on merit on the basis of the total marks of all subjects at the HSc examination and as per the guidelines of the University of Mumbai.
- SY B voc- F Y B Voc in GHM/ Agriculture Diploma/ Agri Poly/ Equivalent diploma in related fields(admission after an entrance exam in Skills acquired)

(R) Intake capacity: 50

(R) Teacher's Qualification:

Core Faculty:

- MSc in Horticulture or Agriculture / Horticulture

OR

- MSc in Botany with NET/SET cleared and a minimum of 04 years of teaching experience of Horticulture- theory and practical.

OR

- MSc in Botany with a minimum of 04 years of teaching experience and with relevant training in the field of Horticulture.

OR

- Exemption from NET/SET will be granted to candidates who hold a PhD degree in Horticulture or related subjects provided they were registered for PhD before 11th July 2009.

Visiting Faculty:

- Horticulturist or Agriculturist with specialization in the relevant field.