



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

SBT 560: THE PHYSIOLOGY OF PLANT GROWTH AND DEVELOPMENT

DATE: Friday 2nd December 2011

TIME: 9.00a.m – 12.00p.m

INSTRUCTIONS

Answer **ANY FOUR** questions. All questions carry equal marks. Use relevant illustrations and examples where appropriate.

1. Discuss the mode of action of plant growth substances.
2. Discuss the biosynthesis and transport of auxins in plants.
3. Discuss the commercial applications of plant growth substances.
4. Discuss the physiological effect of auxins, cytokinins and gibberellins in plants.
5. Describe the methods used in the extraction of bioassays and plant growth substances.