



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2010/2011
INSTITUTIONAL BASED PROGRAMME (IBP) (AUGUST SESSION)
EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE AND BACHELOR OF
EDUCATION
SBT 675: THE FLORA OF EAST AFRICA

DATE: Monday 2nd January 2012

TIME: 9.00a.m – 12.00p.m

INSTRUCTIONS:

Answer ANY FOUR questions

1. a) A flower has the following characteristics:
Actinomorphic and hypogynous
Calyx-five, valvate
Corolla-five, convolute
Androecium-stamens numerous, monadelphous, epipetalous
Gynoecium-Carpels 5, synacarpous, placentation axile.
Write floral formula and draw the floral diagram.

b) Name the family to which the flower belongs to and discuss the characteristics and economic uses of the family.
2. Describe the morphology and economic importance of the Gramineae.
3. Write an essay on the taxonomy and economic importance of the Leguminosae.
4. Discuss the morphological variation and economic uses of the Compositae.
5. Discuss characteristic features and economic importance of the Solanaceae.