

THE UNIVERSITY OF BAMENDA (UBA)

Competitive entrance examination into first cycle E.N.S Bambili

Academic year 2010/2011

Series: Biology

Paper: Biology.

Duration: 3 hours.

Coef: 4

1. What is transpiration? Describe the factors that affect the rate of transpiration. State its role in plant metabolism (20marks)
2. Describe the factors that affect the rate of an enzymatic reaction. What is enzyme inhibition? (20marks)
3. Give a well- labeled diagram of a mammalian eye in cross section. Differentiate between rods and cones. Explain the mechanism of photo-reception. (20marks)
4. What is genetic engineering? Name the different stages of genetic engineering in (1) bacteria and (ii) Eukaryotic cells. What are the different fields of application of genetic engineering? (20marks)