



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja**  
**Faculty of Education**

**PROGRAMME: M.Ed Guidance and Counselling**  
**COURSE CODE: EGC803 (2 CREDIT UNITS)**  
**COURSE TITLE: DEVELOPMENTAL PSYCHOLOGY**  
**INSTRUCTIONS: ATTEMPT QUESTIONS ONE AND ANY OTHER 2.**  
**TIME ALLOWED: 2 HOURS**

- 1a. Give a concise definition of: i), Heredity ii) Chromosomes, iii) Genes. **10 marks**
- 1b, Identify five (5) principles that can modify the pattern of growth in children. **10 marks**
- 1c. Explain the changes that characterize climacteric in Male. Suggest the factors responsible for it. **10 marks**
- 2a. Explain the development of identical and Non-identical twins.
- 2b. Discuss five (5) reasons to show how the learner's immediate location (rural or urban) affects learning. (Total = 20 marks)
- 3a. Give five (5) reasons why a counsellor should study pre-natal development. 10 marks
- 3b.** Identify five (5) developmental tasks at:  
i). Early Childhood. **5marks.**  
ii).Middle Age. **5marks.**
4. Explain in detail four (4) specific types of genetic disorders and their Patterns of Inheritance. 20 marks