NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION

COURSE CODE: **CIT 411**
COURSE TITLE: **MICROCOMPUTERS AND MICROPROCESSORS**
CREDIT UNIT: **2CREDIT UNITS**
TIME: **2HOURS**
INSTRUCTION: **ANSWER ANY FOUR QUESTIONS IN ALL**

1a.   Write short note on microcomputer networking
     [$7^1/_2$marks]
1b.   Discuss three main subcategories of Computer architecture.
     [10 marks]

2a.   Give three (3) benefits of Direct Memory Access and list three (3) devices used for DMA.
                   [$7^1/_2$marks]
2b.   Discuss five (5) microprocessor operations.   [10 marks]

3a.   Write short note on system bus.   [$7^1/_2$ marks]
3b.   Write short note on three (3)uses of a microcomputer. [10 marks]

4a.   Explain Direct Memory Access.   [**$7^1/_2$ marks**]
4b.   List and explain four (4) formats for specifying operands / ADDRESSING MODES For 8085. [10 marks]

5a.   Discuss five (5) types of microcomputer networking.
     [10 marks]
5b.   Write short note on four (4) technological innovations of microprocessors   [**$7^1/_2$marks**]

6a. Write short note on memory organization and segmentation. *[10 marks]*

6b. Discuss interrupts. *[7¹/₂ marks]*