FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY

DEPARTMENT OF INFORMATION AND MEDIA TECHNOLOGY

FIRST SEMESTER 2015/2016 EXAMINATION

COURSE CODE:	IMT411
COURSE TITLE:	Green IT
CREDIT UNITS:	3
TIME ALLOWED:	2.30Mins
COURSE LECTURER(S):	Mr. H. A. Zubairu
NUMBER OF QUESTIONS:	5
NUMBER OF PAGES:	2 (INCLUDING THIS PAGE)

INSTRUCTIONS

- Answer all questions
- Do **not** use red pen
- Please use a clear handwriting
- This exam is closed book, closed notes, closed laptop and closed cell phone
- Please use non-programmable calculators only

1(a) What is meant by Green IT? State four reasons why is it gaining greater relevance and importance now? (**4 marks**)

(b) Explain how each of the following concepts help to reduce carbon footprint and promote environmental sustainability.
(i) Virtualization
(ii) Power management
(iii) Teleconferencing
(iv) Telecommuting (**8 marks**)

2(a) Briefly outline different stages in the life cycle of an electronic device. Order these stages in decreasing order based on their environmental impact from your perspective, and give your rationale (**10 marks**)

3(a) With the aid of a well-illustrated diagram, describe the 3Rs of green IT. (**6 marks**)
(b) Explain the different dimensions of Green IT. (**6 marks**)

4(a) Explain the various e-waste disposal techniques and state their pros and cons? (**6 marks**)
(b) Discuss the problems and impact of accumulating e-waste (**2 marks**)
(c) Explain the rationale behind the three waste management strategies called the 3R's (**2 marks**)

5(a) What is LCA? Explain the four stages of LCA. (**9 marks**)
(b) Discuss the maturity of SICT capabilities. (**7 marks**)