

**DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION  
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
FIRST SEMESTER EXAMINATION  
2019/2020 SESSION**

**COURSE TITLE: APPROPRIATE TECHNOLOGY**

**COURSE CODE: ITE513**

**COURSE UNIT: 2 UNITS**

**TIME ALLOWED: 2HRS**

**INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS**

1. (a) Define the term "Appropriate Technology"  
(b) Explain why the term was coined for developing countries?  
(c) distinguish between appropriate soft and hard technologies.
  
2. (a) State the concept and Rationale for appropriate technology'  
(b) List and explain with specific examples, five areas of life in which technology is used to solve problems and meet needs.
  
3. Write short notes on the following terms:  
(a) Appropriate Technology in developed countries,  
(b) Appropriate Technology in developing countries,  
(c) Intermediate Technology,  
(d) Renewable Energy,  
(e) Non-renewable Energy.
  
4. (a) State any five limitations of Appropriate Technology  
(b) List and explain the steps involved in the problem- solving- process
  
5. (a) Give any five goals that represented the intended focus of Appropriate Technology,  
(b) Why is Appropriate Technology termed "Environmentally friendly"?  
(c) State the contributions of Mahatma Ghandi and Fredrick Schumacher in the appropriate technology movement in the world