



ELIZADE UNIVERSITY

ILARA-MOKIN

FACULTY: BASIC AND APPLIED SCIENCES
DEPARTMENT: MATHEMATICS AND COMPUTER
SCIENCE

1st SEMESTER EXAMINATION
2018 / 2019 ACADEMIC SESSION

COURSE CODE: CSC 433

COURSE TITLE: Emerging Technologies

COURSE LEADER: Dr. Bolanle Ojokoh

DURATION: 2 ½ Hours

HOD's SIGNATURE

INSTRUCTION:

Candidates should answer any **THREE** Questions.

Students are warned that possession of any unauthorized materials in an examination is a serious assessment offence

Students are permitted to use **ONLY** a scientific calculator.

1a. With a diagrammatic representation, describe Internet of Things (IoT) as anytime, anyplace connectivity for anyone and anything.

b. Discuss four important technologies required for IoT.

c. Internet of Things (IoT) dramatically increases the amount of data available to humans. The usefulness of these data increases significantly with progression in processing. Discuss this pictorially.

2a. Discuss three major application domains and scenarios of Internet of Things.

b. What is Big Data? Discuss four important characteristics of Big data.

c. What is a Robot? Outline its basic components

3a. Describe CLOUD as an acronym. Cloud computing has a number of fundamental elements, discuss five of these.

b. Cloud Computing emanated basically from Computer Networks through an evolution of network to service sharing. With the aid of a diagram, describe this evolution.

c. Discuss four classifications of Cloud Computing based on services provided.

4a. Virtual Reality Experience has a number of characteristics as well as challenges. Outline these.

b. Discuss three unique characteristics of mobile applications.

c. With the aid of examples, discuss three emerging mobile research areas.

5a. What is Machine Learning? How does it relate to deep learning?

b. With the aid of diagram, describe Artificial Neural Networks

c. List six devices that could be found in a smart home application and their uses.