**TAKORADI TECHNICAL UNIVERSITY, TAKORADI**

**FACULTY OF APPLIED SCIENCES**

**DEPARTMENT OF INFORMATION & COMMUNICATIONS TECHNOLOGY**

**EOS\_SEMESTER\_1 EXAMINATION - 2018**

**Course Code: CDT\_203 Course Title: Hardware & Networking II**

**Time Allowed 1 Hr 45 Minutes Mark: 60**

**ANSWER ALL QUESTIONS**

1. Capacitors and Inductors are used in Electrical and Electronic circuits. Explain their uses.

(10 marks)

1. Explain the following: -

Operating system

BIOS

BOOT program

(10 marks)

3a. State types of motherboard

3b. Briefly state the features of the motherboards in 3a (10 marks)

4. Identify the purpose, features and functions of the following networks devices: -

1. Hubs
2. Network cards
3. Switches
4. Gateways
5. Bridges
6. Repeaters
7. Routers

(10 marks)

5a. Explain the enumerated network architectures – peer-to-peer, client-server, file-server.

5b. Identify the stated topologies: - Star, Ring, Bus and Mesh

(10 marks)

1. [Your office got the instruments for the following: Voltage, Current, and Resistance.](http://engineeringinterviewquestions.com/minicomputer-different-mainframe/" \t "_blank)

[Identify their uses with examples.](http://engineeringinterviewquestions.com/minicomputer-different-mainframe/" \t "_blank) (10 Marks)

(Total Marks: 60 marks)

**END OF PAPER**