Faculty of Computers & Artificial Intelligence
2nd Term (2019-2020) Final Exam
Information Security and Digital Forensics Program
Course Code: FCS231   **Level:** 2nd level
Course name: Introduction to Computer Networks

Benha University
Final Date: 7 / 6 /2020
Total Marks: Pass / Fail
Examiner(s): Dr. Mohamed Taha

Research submission: From 31 May to 7 June 2020

---

a) <u>Write a research project in ONE of the following topics:</u>

Research Topics

- The research project must address one of the computer network topics, including but not limited to:

o Routing	o WiMAX
o Switching	o 3G vs. Wi-Fi
o Network Protocols	o Voice Over Internet Protocol
o Mobile network	o Data Security in Local Network using Distributed Firewalls
o Ad-hoc network	
o Network attacks	o Bluetooth Based Smart Sensor Networks
o Network Security	o Optical Networking and Dense Wavelength Division Multiplexing
o 4g Wireless Systems	
o Wireless Technology	o Ipv6 - The Next Generation Protocol
o Voice over Internet Protocol	o Significance of real-time transport Protocol in VOIP
o Wireless Sensor Network	o Multimedia Broadcasting via satellite
o Wireless LAN Security	o Storage Area Network
o Optical Fiber Cable	o Bluetooth technology
o Cellular Communications	o satellite communications
o Development of the Internet	o Virtual Network Computing
o Modems and ISDN	o Intrusion Detection System
o Firewalls	o Wireless Application Protocol

b) <u>Notes: please, your research must contain the following elements:</u>

- A research project is required for each student separately. No student is allowed to participate in the research within a group of students.
- The project report is at least ten pages and not more than 12 pages.

GOOD LUCK,

Examiner(s)	**Program Coordinator**
Dr. Mohamed Taha	**Dr. Ahmed Taha**