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**FIRST ASSIGNMENT**

**2020**

BACHELOR OF COMPUTER SCIENCE (HONS.)

(IN COLLABORATION WITH IUKL)

**DATA COMMUNICATIONS AND NETWORKING**

**(CSC 1610)**

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**GENERAL INSTRUCTIONS**

1. This question booklet consists of 2 pages including this page.
2. There is one **SECTION** in this question booklet.
3. Please submit assignment solution in **HAND WRITTEN FORMAT in A4 size paper.**

**SECTION A**

**This section consists of THREE (3) questions. Answer all question in your assignment**

**copy.**

1. A) Define the term converged network with the help of a diagram. (1 mark)

B) Define : (2 marks)

1) Brouter

2) Connection- oriented network

C) Compare and contrast Packet Switching and Circuit switching in a network. (1 mark)

D) Compare and contrast Bandwidth and throughput. (1 mark)

E) List out the four difference between IP address and MAC address. (2 marks)

1. The following question will test your knowledge on router coding. Marks is given based on complete executable commands.

a) Name of the router is to be changed to Seminarhall\_Sunway (2marks)

b) Set console password as Admin1234 (2marks)

c) Set a banner message "Network is being monitored and please stop your

illegal activity now.” (2marks)

d ) Assign IP address to Interface Fast Ethernet 0/0. The IP address is

192.168.50.1 and subnet mask is: 255.255.255.248. (2 marks)

e) Set the VTY password as cisco. (2 marks)

1. A) Describe each layer in OSI model in brief. (3.5marks)

B) Describe the functionality of all the protocols listed below in TCP/IP

protocol suite. (9.5 marks)

