

Hamza . H

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Air University
(Mid-Term Examination: Fall 2021)
Department of Cyber Security

Subject: Intro to ICT
Course Code: CS180
Class: BS-CYS Fall 21
Section: A-B

Total Marks: 50
Date: Jan, 2021
Duration: 2 Hours
FM Name: Zia Muhammad

Answer all questions.

Q. No	Questions	Marks	CLO
✓	The internet era has given rise to the problem of cybercrimes. Given the need to maintain privacy which is an ethical responsibility of the government, what technical means would you suggest to curb this problem?	(10)	2
2	Whenever multiple devices are used in a network, the problem arises that how to connect them to make one-on-one communication possible. Switching is the best solution to this kind of problem. A switched network consists of a series of interlinked nodes called switches. Explain briefly the methods of switching used by computer networks with the help of a diagram.	(10)	1
3	Answer these questions without extending 3-4 lines: 1. What is Phishing? 2. What is spear phishing? 3. How can I identify a Phishing scam? 4. What can I do to avoid Phishing attacks? 5. What if my personal email account, bank account, or other accounts were compromised? Being a cyber expert, what do you suggest?	(2*5=10)	4
✓	The terms 'cloud', 'fog' and 'edge' are bandied around in conversation in the tech world every day - but do you really understand what they are? And What's the Difference between these three?	(10)	2
5	What is a Domain Name System (DNS), how it works? Briefly explain its types.	(10)	3

***** End of Examination Paper *****

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