BOWEN UNIVERSITY IWO, OSUN STATE

COLLEGE OF COMPUTING AND COMMUNICATION STUDIES **CYBERSECURITY PROGRAM**

B. SC. DEGREE FIRST SEMESTER EXAMINATION SESSION: 2022/2023

COURSE TITLE: INFORMATION SECURITY POLICY

COURSE CODE: CYB 208	WEDNESDAY 21/06/2023	TIME: 2 HOURS	CREDIT UNITS:2
Instruction: Answer 3 questions only			
Question One			
(a) What do you understand by Computer Security?			3 marks
(b) List and explain the three key objectives of Information security.			9 marks
(c) List and explain two (2) other concepts to a complete Information security			4 marks
(d) What is Security breach?			2 marks
(e) Succinctly explain the three (3) Levels of security breach impact			6 marks
Question Two		1 9 4	c
(a) Using a real life scenario (based on students' information) describe the concept of security			
requirements in respect to Co	하이 마르네네네네워 에게 하셔서 (하나는 이번 목에) 사용하는 그 보니 [1] 그 그 그리고 하는 그는 그 그는 그는 그는 그는 그 그는 그 그는 그 그는 그 그		
 (b) Highlight Security requirements based on Integrity using the hospital patients as example. 8 marks (c) As a cybersecurity expert, there are some challenges you would experience in ensuring you carry out a 			
perfect System Security. Mention eleven (11) Challenges you might possibly face in delivering your duty.			
perfect system security. Wen	mon eleven (11) Chanenges you	might possibly face in	11 marks
			11 marks
Question Three			
(a) Use a diagrammatical representation to describe Information Security concepts and relationships			
			7 marks
	llowing information security ter		
i. Adversary ii. Threat	iii. Risk iv. Countern	neasure v. Security	
	/ulnerability viii. Attack		16 marks
(c) What do you understand by the term Threat? 2 marks			
Question Four			
(a) State four (4) consequence	es of threats		8 marks
(b) What is Cyber-attack?	35 91 411 9415		3 marks
(c) Write Extensively on just one (1) of the following by identifying a case of an attack incidence based on			
anyone of your choice.	one (1) of the fone wing of their		
	ishing attack iii. Malware	iv. Brute force	v. Denial of service
	경우 기계 경우를 두고 얼마면서 병에 보면 그는 그는 그는 그 이렇게 되었다. 그런 사람이 없어 되었다.		ix Drone Cyber-attack
x. Biggest Password leak ever xi. Social Engineering attack xii. Watering Hole Attack 14 marks			
2.88			
Question Five			
(a) Write short note on each of the following Information securities features			
i. Access ii. As	set iii. Attack		6 marks

(b) A successful organization should have multiple layers of security in place to protect its operations; state the 7 layers of information security expected by an organization to put in place for a smooth and successful 14 marks running of its operations.

(c) Succinctly describe one (1) of the following

i. Attack Surface/ Attack trees

ii. The fundamental security principles

iii. Information 5 marks

and Equity practice

iv. Security Requirement fundamentals