CB 60:40

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SEMESTER - II

Sub: Cyber Security - I (BCA – 245-18/BCA-CS-245-20)

Date	:31/12/2022	Total Marks: 60	Time: 2.00 pm to 04.30 pm
	 Bold figures to the ri Candidates are advis Answers written illeg Use of scientific calc 	npulsory unless and otherwise stated ght of every question are the maximu sed to attempt questions in order. gibly are likely to be marked zero. ulators, Log tables, Mollier Charts i. led diagrams wherever necessary.	ım marks for that question.
Q.1.	Fill in the blanks.		(5)
1.		lesign or implementation error that commissing the security of the system is b) Exploit d) Attack	
2.	is a progra a) Nslookup c) telnet	am to query Internet domain name se b) tracert d) Ping	rvers.
3.	reveals the IP of the mail server.		
	a) MX recordc) telnet	b) tracert d) Ping	
4.		k both offensively and defensively at s Hackers. b) White Had d) Blue Hat	_
5.	First stage involve in a) Prescreening c) Assembly	the Reverse Engineering process is b) Disassemb d) compilation	bly
Q.2.	State True/False.		(5)
1. 2.	All the passwords of windows operating system are stored in SAM file. Broadcast networks have a single communication channel that is shared by all the machines on the network.		
3.	Symmetric-key cryptography refers to encryption methods in which both the sender and receiver share the same key.		
4.	Punishment for the Tampering with Computer source documents is given under section 67 of IT Act 2000.		
5.	LAN, spans a large geographical area often a country or a continent.		

Q.3. Answer the following. (Solve any 5) (10)1. Define the term "Dumpster Diving". 2. Define the term 'Threat'. 3. Explain the function of Bridges in Networks? Define the term 'Private key'. 4. 5. Define the term "Reverse Social Engineering". Differentiate between Physical Port & Virtual Port. 6. 7. Define the term 'Black Hat Hacker'. Q. 4. Answer the following in detail. (Solve any 6) (30)1. Write a short note on IP address classes and structures. 2. Write a short note on 'Social Engineering Techniques'. 3. Write a Short note in "Intrusion Detection System". 4. Explain the different types of Cryptography. How Malware Propagate to other machines? 5. 6. Explain the DoS and DDoS attacks. 7. State the Advantages and Disadvantages of Honeypot. Q. 5. Answer the following in detail. (Solve any 1) (10)1. Explain the TCP/IP reference model in detail. 2. Explain in detail working of any 5 networking hardware components.

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