

1.

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code : PEC-CS702E Cyber Security

Time Allotted: 3 Hours

Full Marks:70

The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

Answer any ten of the following:	[1 × 10 10]
"Dyberspace" was coined by	$[1 \times 10 = 10]$
Which is the oldest techniques used by hackers for phone hacking to make free calls?	
An attempt to steal, spy, damage or destroy computer systems, retworks, or their associated information	tion is known as
The Code Red is a sort of a	
Afve an example of physical hacking.	
What is the existence of weakness in a system or network is known as?	
Which independent type of malicious program does not require any host program?	
What are Trojan-Horse programs?	
(IX) When there is an excessive amount of data flow, which the system cannot handle,attack take	es nlaco
A can be a hardware device or a software program that filters all the packets of data a network, the internet, etc.	that comes through
(XI) The Hacker who did break the SIPRNET system is	:
(XII) A cyber-criminal or penetration tester uses the additional data that stores certain special instructions activities to break the system. Name the type of attack.	in the memory for
Group-B (Short Answer Type Question) Answer any three of the following	[5 x 3 = 15]
Discuss Security Architecture.	[5]
Mention the difference between symmetric and asymmetric encryption.	[5]
Write the steps to analyze the E-Mail Application'ssecurity vulnerabilities.	[5]
5. What is a response code? List them.	[5]
Discuss matrix mining.	[5]
Group-C (Long Answer Type Question) Answer any three of the following	[15 x 3 = 45]
7. With a diagram, explain handshake protocol action. Explain SSL protocol stack.	[10+5]
8. Discuss security policy database. With a neat diagram, explain ip traffic processing.	[5+10]
Explain the different Threats to Information System? What do you mean by Information Assurance?	[10+5]
What do you mean by packet filtering in Firewall? Explain Firewall and working of Firewall? Explain to take Backup?	he need to [4+5+6]
Elaborate: "Cyber crime play a vital role against person ,property and govt. to protect all valuable information and rights"	[15]

*** END OF PAPER ***