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**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**  
(An Autonomous Institute)

Affiliated to Dr. A.P. J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

**Course : B.tech Branch : CSE.**

Semester : III

Sessional Examination : Second

Year- (2021 - 2022)

Subject Name: Cyber Security

Time: 1.15Hours

**[ SET- A ]****Max. Marks:30****General Instructions:**

- This Question paper consists of .....pages & .....questions.It comprises of three Sections, A, B, and C
- **Section A** -Question No- 1 is objective type questions carrying 1 mark each, Question No- 2 is very short answer type carrying 2 mark each. You are expected to answer them as directed.
- **Section B**- Question No-3 is Short answer type questions carrying 5 marks each. Attempt any two out of three questions given.
- **Section C**- Question No. 4 &5are Long answer type (within unit choice) questions carrying 6marks each. Attempt any one part a or b.

<b><u>SECTION – A</u></b>		<b>[08Marks]</b>	
<b>1.</b>	<b>All questions are compulsory</b>	<b>(4×1=4)</b>	
a.	How many layers are there in OSI model? a. 4 b. 7 c. 3 d. 8	(1)	CO2
b.	Data security considerations are? a. Backups b. Archival storage c. Disposal of data d. All	(1)	CO2
c.	Full form of IDS? a. Invention detection system b. Illusion detection system c. Intrusion detection system d. None	(1)	CO2
d.	Full form of VIRUS? a. Various Information Resource Under Support b. Very Information Resource Under Support c. Vital Information Resource Under Seize d. none	(1)	CO2
<b>2.</b>	<b>All questions are compulsory</b>	<b>(2×2=4)</b>	
a.	Differentiate virus and worms?	(2)	CO2
b.	Define zero day attack?	(2)	CO2

<b>SECTION – B</b>			<b>[10Marks]</b>	
<b>3.</b>	<b>Answer any <u>two</u> of the following-</b>		<b>(2×5=10)</b>	
	<b>a.</b>	What is a firewall? Mention all types of Firewalls.	<b>(5)</b>	<b>CO2</b>
	<b>b.</b>	What is spoofing ? What are its different types?	<b>(5)</b>	<b>CO2</b>
	<b>c.</b>	What is e-commerce. Name some e -commerce site. How is payment done while the transaction of goods here?	<b>(5)</b>	<b>CO2</b>
<b>SECTION – C</b>			<b>[12Marks]</b>	
<b>4</b>	<b>Answer any <u>one</u> of the following-</b>		<b>(1×6=6)</b>	
	<b>a.</b>	What is a Trojan horse in Network security and how it got its name?	<b>(6)</b>	<b>CO2</b>
	<b>b.</b>	Explain intrusion detection system?	<b>(6)</b>	<b>CO2</b>
<b>5.</b>	<b>Answer any <u>one</u> of the following-</b>		<b>(1×6=6)</b>	
	<b>a.</b>	Differentiate between Debit card and Credit card?	<b>(6)</b>	<b>CO2</b>
	<b>b.</b>	Explain the advantages and disadvantages of E-cash?	<b>(6)</b>	<b>CO2</b>