2012E1591

Candidate's Seat No:____

M.Sc. IT (IMS) (Integ.) (Sem.-1) Examination

MSCIMS 404

Time: 2-30 Hours

IT Security Systems
December 2018

[Max. Marks: 70

Instructions: -

- 1) Figures to the right indicates full marks.
- 2) Neat diagrams must be drawn wherever necessary.

Q: 1 Select any one Answer. (Multiple choice question)

[14]

- 1) Which of the following is independent malicious program that need not any host program?
 - A) Trap doors B) Trojan horse C) Virus D) Worm
- 2) Which of the following virus overtake computer system, when it boots and destroy information?
 - A) Phishing scams B) Phishing trip C) Phishing trip D) Computer viruses
- 3) Key logger is a
 - A) Antivirus B) Spyware C) Firmware D) All of the above
- 4) A virus that migrates freely within a large population of unauthorized email user is called a ------
 - A) Macro B) flame war C) Plaglarism D) Worm
- 5) What is the best way to protect your information when you are away from your computer?
 - A) Lock the computer with a password B) Activate the screen saver
 - C) Turn the monitor off
- D) None
- 6) A strong password should contain:
 - A) Both uppercase and lowercase letters.
 - B) A word that is easy to remember, like name of a pet.
 - C) At least 8 characters, and a combination of letters, numbers, and characters.
 - D) None
- 7) Which of the following is a type of program that either pretends to have, or is described as having, a set of useful or desirable features but actually contains damaging code.
 - 1) Virus B) Trojan C) Malware D) Adware
- 8) What is the sequence of a TCP connection?
 - A) SYN-ACK-FIN B) SYN-SYN ACK-ACK
 - C) SYN-ACK
- D) SYN-SYN-ACK
- 9) What port does Telnet use?
 - A) 80 B) 110 C) 443 D) 23
- 10) Which form of encryption does WPA2 use?
 - A) TKIP B) AES C) LEAP D) All of the above

1	1) SMTP stands for		
	A) Simple Mail transmission protocol B) Send mail transport protocol		
	C) Simple mail transport protocol D) Send mail transmission protoco	al	•
1	.2) What is port Number of HTTP?		
	A) 80 B) 443 C) 21 D) 25		
1	1) What is the frequency of 802.11b?		
	A) 2.4 GHZ B) 5 GHz C) Both D) None		
1	3) offers transmission speeds up to 300 mbps.		
_	A) 802.11a B) 802.11b C) 802.11g D) 802.11n		
. 1.	4) AES stands for		
т.			
	A) Advance Encryption Standard B) Advance Encryption State		
	C) Advance Encryption System D) Active Encryption Standard		
Q: 2	Answer the Following.		[14]
1)	Explain the basic risk of the computer.	[7]	
2)		[7]	
2)	Or Evaluin the stages of Vivus		
Q: 3	Explain the stages of Virus. Answer the Following.	[7]	
	<u> </u>	. [7]	[14]
2)		[7]	
2)	Or Write any two short notes in detail.	r-1	
-/	1) Anti-spam	[7]	
	2) Smurf Flooding		•
0.4	3) Tear Drop		
Q: 4	Answer the Following. Explain SSL Certificates in detail.		[14]
• • • •	Or	[7]	
1)			
	a. State the difference between WEP & WPA b. Explain Time Bomb in detail.	[4]	
2)	b. Explain Time Bomb in detail. Write a short note on followings.	[3]	
	Application proxy Firewall	[7]	÷.
	2) Host based intrusion detection system	•	
à.	Or		
2)	Explain propagation methods of Virus.	[7]	
Q: 5	Answer the Following.		[14]
1)	Explain the Finger Printing steps in detail. Or	[7]	•
1)	OI .		
·	a. Explain Social Engineering Work Cycle.	[4]	
	b. Explain the batches of patches.	[3]	
2)	What is symmetric key encryption and Explain DES in detail?	r	
<i>-1</i>	Or	[7]	
2)	What is Asymmetric key encryption and Explain RSA in detail?	[7]	