## 2012E1590

Candidate's Seat No :\_

## M.Sc. IT (Network Security) (Sem.-1) Examination MSCNS 404

IT Security Systems
December 2018

[Max. Marks: 70

Instructions:-

Time: 2-30 Hours]

- 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) Plagiarism 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) Social engineering is:
  - A) A website created for people who share common interests.
  - B) Scams distributed through email such as phishing, pharming and impersonation.
  - C) A targeted attack on a personal computer.
  - D) None
- 8) What is the virus that spread in computer?
  - A) It is system software B) It is a computer program
  - C) It is a windows tool D) It is hardware
- 9) Which form of encryption does WPA use?
  - A) TKIP B) AES C) LEAP D) All of the above
- 10) What is the full form of HTTP?
  - A) Hypertext terminal protocol
- B) Hyper terminal text protocol
- C) Hypervisor text transfer protocol
- D) Hypertext transfer protocol

	11)	What is port Number of HTTPS?		
		A) 80 B) 443 C) 21 D) 25		
	12)	What is the frequency of 802.11n?		
		A) 2.4 GHZ B) 5 GHz C) Both D) None		
	13)	offers transmission speeds up to 11 mbps.	<u>-</u>	-
		A) 802.11a B) 802.11b C) 802.11g D) 802.11n	•	
	14)	SSID stands for	-	
		A) Service Set Identifier B) System Set Identifier		
	•	C) Service Source Identifier D) Server Set Identifier		
Q: 2		Answer the Following.		[14]
	1)	Explain the basic risk of the computer.		
	2)	Explain Password Cracking Methods in detail.	[7] [7]	
•	21	Or	,	
Q: 3	2)	Explain Web cookies in Detail.  Answer the Following.	[7]	Fa 43
	1)	What is types of wireless standards and explain any one in detail.	[7]	[14]
	2)	Explain the classes of Spyware.	[7]	
:	2)	Or Write any two short notes in detail.	<b>63</b>	·
·	-,	1) Email Spoofing	[7]	
		2) ICMP Flooding		
Q: 4		3) Ping of Death  Answer the Following.		
	1)	Write the working cycle of Trojan horse.	[7]	[14]
		Or	[7]	
1	L)	a. State the difference between WPA & WEP		
		b. Explain Logic bomb in detail.	[4] [3]	
			[2]	
2	2)	Write a short note on followings.  1) Application proxy Firewall	[7]	
٠.		2) Host based intrusion detection system		
	٠.	Or		
Q: 5	!) \	Write the state of Worm Technology.  Answer the Following.	<b>[7]</b>	•
д. <u>з</u>	.) I	Explain the Foot Printing steps in detail.	[7]	[14]
•		Or	[7]	
1	)			
	ā	. Write a short note on Dumpster Diving.	. [A]	•
	b	Write a short note on DNS Poisoning.	[4] [3]	
2)	) V	What is symmetric key encryption and Explain IDEA in detail?  Or	[7]	
2)	) "V E	What is Cipher & Give the difference between symmetric & Asymmetric key ncryption.	[7]	