





BRAINWARE UNIVERSITY

Term End Examination 2022 Programme – B.Sc.(ANCS)-Hons-2020 Course Name – Threat Modeling, Risk Assessment and Management Course Code - BNCSD501A (Semester V)

Full Mar [The fi	gure in the margin indicates full marks. Cand own words as far	Time idates are required to give their answas practicable.]	e: 2:30 Hour s ers in their
	Group (Market Land	p-A	•
1. Choo	Multiple Choice T) ose the correct alternative from the followin	ype Question) g :	1 x 15=15
	acker commits anattack by tracking on ker instead of the intended recipient. Specu	e device into sending messages to the late the right one.	e
c) Di	DoS attack.	b) ARP Spoofing.	
c) S (iii) Disc	which one does not fall among OWASP Top jection. poofing. over the amount of information about the aled in a transaction is measured by	b) Cross Site Request Forgery.	
a) Th c) C (iv) Adva	te Nymity Slider. Contextual Integrity. Cantages ofto protects the user from particular the user from parting the user from	b) Privacy Impact Assessments. d) None of the above. getting bad data from a signed zone om receiving the tampered data.	by
a) DN c) IPS (v) Onlin a) Th c) A (vi) A mo	NSSEC. Sec. The attacks against the login system, is term The reats to Passwords. Il of the above. The ode of biometric authentication consist and	b) SYNC FLOODING. d) ACL. ed as Identify. b) Repudiation Attack. d) None of the above.	
a) Ha c) Sei	rdware	b) Software	iial of
a) Fro c) Al	ont Ends Il of the above. ict which Logs (Log analysis) must be prote	b) Back Ends	
		- wing uncat.	

a) Tampering. c) Information Disclosure. (ix) They do not have any real system knowledge, instructions using different available tools. An	b) Repudiation. d) None of the above. they only know how to follow alyze.		
a) The undergraduate.c) The Script Kiddie.(x) Conclude that "SYNC Flood" attack is common	b) The Expert. d) None of the above. ly famous for:		
a) TCP/IP DoS ATTACK.c) Both of the above.(xi) Identify the Causes for Threat Modeling are:	b) ICMP Attack. d) None of the above.		
 a) Find Security Bugs Early. c) Engineer and Deliver Better Products. (xii) To address Denial of Service threat, the Securifidentify. 	•		
 a) Networking Flooding. c) Elastic resource. (xiii) Consider the subset of buffer overflow in whice stack, leading to a change in control flow is ter 			
a) Stack smashing c) SDL (xiv) is the act of denying responsibili	b) SIPRNet d) RFC ty for an action. Choose.		
 a) Repudiation b) Augthentication c) Authorization d) None of the above. (xv) It is one ideal cloud-based filtering service to protect one organization against spam, malware and other email threats. Locate. 			
a) Stepping stones.c) Whiteboard Diagramming.	b) EOP. d) None of the above.		
Grou	ір-В		
(Short Answer T	ype Questions) 3 x 5=15		
 Illustrate the Threat Applicability for STRIDE-per-interaction scenario. Explain Access Control and various types of Access Control. Discover Information Disclosure Threat and how to mitigate the same. 			
OR Judge the different types of application of Elastic Resources. 5. Classify Attack Tree? Explain one Attack Tree for spoofing a process. OR			
Explain one Attack Tree for spoofing a data flow. 6. Express about CAPTCHA. OI	(3) (3)		
Write about DNS Spoofing with an example.	(3)		
Grou (Long Answer Ty	• 1		
7. For the same institution offering such services, p the Cyber Security Expert to focus the strategy for	or threat modelling.		
 Discuss Tampering Threats from the perspective of an Attacker. Write about Attack Tree with an example for a real life Threat occurring in Cyber Space. Prepare and correlate Account Recovery Checklist for addressing Accounts and Identity. Explain Account Life Cycles. 			
OI			
Explain the attributes for modelling Social Engineering Attacks in Cyber Space. (9) 12. Justify Assets. Explain components of Asset-Centric Modeling.			

OR

Reframe Threat Trees for Spoofing an External Entity (Client/Person/Account).

(5)

Library
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