

Online Assessment (Special Examination) (Even Sem/Part-I/Part-II Examinations 2019 - 2020

Course Name - Cryptography and Cyber Security

Course Code - BCSE604A

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Answer all the questions. Each question carry one mark.

9. 1. In Elgamal cryptosystem, given the prime $p=31$. Encrypt the message "HELLO"; use 00 to 25 for encoding. The value of C2 for character 'O' is

Mark only one oval.

- 9
- 7
- 23
- 27

10. 2. What is the kind of firewall is connected between the device and the network connecting to internet.

Mark only one oval.

- Hardware Firewall
- Software Firewall
- Stateful Inspection Firewall
- Microsoft Firewall

11. 3. For $p = 11$ and $q = 17$ and choose $e=7$. Apply RSA algorithm where Cipher message=11 and thus find the plain text.

Mark only one oval.

- 88
- 122
- 143
- 111

12. 4. Wireshark is a _____ tool

Mark only one oval.

- network protocol analysis
- network connection security
- connection analysis
- defending malicious packet-filtering

13. 5. Aircrack-ng is used for _____

Mark only one oval.

- Firewall bypassing
- Wi-Fi attacks
- Packet filtering
- System password cracking

14. 6. _____ scans TCP ports and resolves different hostnames.

Mark only one oval.

- SuperScan
- Snort
- Ettercap
- QualysGuard

15. 7. _____ is a web application assessment security tool.

Mark only one oval.

- LC4
- WebInspect
- Ettercap
- QualysGuard

16. 8. _____ is a code injecting method used for attacking the database of a system / website.

Mark only one oval.

- HTML injection
- SQL Injection
- Malicious code injection
- XML Injection

17. 9. UWhich of this is an example of physical hacking?

Mark only one oval.

- Remote Unauthorised access
- Inserting malware loaded USB to a system
- SQL Injection on SQL vulnerable site
- DDoS (Distributed Denial of Service) attack

18. 10. Stuxnet is a _____

Mark only one oval.

- Worm
- Virus
- Trojan
- Antivirus

19. 11. _____ is the kind of firewall is connected between the device and the network connecting to internet.

Mark only one oval.

- Hardware Firewall
- Software Firewall
- Stateful Inspection Firewall
- Microsoft Firewall

20. 12. A firewall protects which of the following attacks?

Mark only one oval.

- Phishing
- Dumpster diving
- Denial of Service (DoS)
- Shoulder surfing

21. 13. Packet filtering firewalls are deployed on _____

Mark only one oval.

- routers
- switches
- hubs
- repeaters

22. 14. ACL stands for _____

Mark only one oval.

- Access Condition List
- Anti-Control List
- Access Control Logs
- Access Control List

23. 15. One advantage of Packet Filtering firewall is _____

Mark only one oval.

- more efficient
- less complex
- less costly
- very fast

24. 16. Packet filtering firewalls are vulnerable to _____

Mark only one oval.

- hardware vulnerabilities
- MiTM
- phishing
- spoofing

25. 17. Which of these comes under the advantage of Circuit-level gateway firewalls?

Mark only one oval.

- They maintain anonymity and also inexpensive
- They are light-weight
- They're expensive yet efficient
- They preserve IP address privacy yet expensive

26. 18. Which of the following is a disadvantage of Circuit-level gateway firewalls?

Mark only one oval.

- They're expensive
- They're complex in architecture
- They do not filter individual packets
- They're complex to setup

27. 19. _____ gateway firewalls are deployed in application-layer of OSI model.

Mark only one oval.

- Packet Filtering Firewalls
- Circuit Level Gateway Firewalls
- Application-level Gateway Firewalls
- Stateful Multilayer Inspection Firewalls

28. 20. Application level gateway firewalls protect the network for specific _____

Mark only one oval.

- application layer protocol
- session layer protocol
- botnet attacks
- network layer protocol

29. 21. We can also implement _____ in Stateful Multilayer Inspection firewall.

Mark only one oval.

- external programs
- algorithms
- policies
- algorithms and external programs

30. 22. Packet filtering firewalls are also called _____

Mark only one oval.

- first generation firewalls
- second generation firewalls
- third generation firewalls
- fourth generation firewalls

31. 23. _____ is an internet scam done by cyber-criminals where the user is convinced digitally to provide confidential information.

Mark only one oval.

- Phishing attack
- DoS attack
- Website attack
- MiTM attack

32. 24. Email Phishing came into origin in the year _____

Mark only one oval.

- 1990
- 2000
- 2015
- None of these

33. 25. _____ type of phishing became very popular as if it has been sent from a legitimate source with a legitimate link to its official website.

Mark only one oval.

- Algo-based phishing
- Email-based phishing
- Domain Phishing
- Vishing

34. 26. _____ = voice + phishing.

Mark only one oval.

- Algo-based phishing
- Vishing
- Domain Phishing
- Email-based phishing

35. 27. _____ or smishing is one of the simplest types of phishing where the target victims may get a fake order detail with a cancellation link.

Mark only one oval.

- Algo-based phishing
- SMS phishing
- Domain Phishing
- Spear phishing

36. 28. _____ phishing is that type of phishing where the construction of a fake webpage is done for targeting definite keywords & waiting for the searcher to land on the fake webpage.

Mark only one oval.

- Voice
- SMS
- Search engine
- Email

37. 29. Which of the following is not an example or type of phishing?

Mark only one oval.

- Tracking
- Vishing
- Smishing
- Pharming

38. 30. In _____ layer, vulnerabilities are directly associated with physical access to networks and hardware.

Mark only one oval.

- physical
- data-link
- network
- application

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