PG DISAD
Diploma in Information Security
& Application Development

(*Deptt. of IT, Ministry of Communications & IT, Govt. of India*)
  B-30, Sector 62, Noida

 Post Graduate Diploma in Information Security and Application Development

 Security Class test
(Wireless Security and Network Security)   **PGDISAD-VI**

MaximumMarks: 50
 Time:1Hr

Section-1 Wireless Security

1. **Which 802.11 physical layer offers more capacity?**
    a. **802.11a**
    b. **802.11b**
    c. **802.11g**

2. **What frequency band does 802.11g operate in?**
    a. **900Mhz**
    b. **2.4 Ghz**
    c. **5 Ghz**
    d. **Both a and c**

3. **Spread Spectrum and CDMA are used in_____**
    a. **First Generation**
    b. **Second Generation**
    c. **Third Generation**
    d. **Fourth Generation**

4. **SSl contains of two sub protocols**
    a. **Record protocol**
    b. **Handshake protocol**
    c. **both a and b**
    d. **neither a nor b**

5. **Security layer in WAP is similar to which layer in OSI model**
    a. **Application Layer**
    b. **Network Layer**
    c. **Physical Layer**
    d. **Presentation Layer**

6. **Bluetooth works on**
   a. **2.4 Ghz ISM band**
   b. **5.4 Ghz ISM band**
   c. **5.4 Mhz ISM band**
   d. **40 Mhz ISM band**

7.. **An arbitrary collections of Bluetooth enabled devices physically close to each other**
   a. Scatternet
   b. Piconet
   c. Both of above
   d. None of above

8.**Range of Bluetooth is-**
   a. 10 feet
   b. 20 feet
   c. 30 feet
   d. 45 feet

9.**Attributes related with Wireless Security are-(choose two)**
   a. Confidentiality
   b. Availability
   c. Integrity
   d. Utility

10. **WAP application are(choose two)**
   a. Checking Train table.
   b. Looking up stock value
   c. Online Banking
   d. Online Shopping

11. **The WMl declaration is known as**
   a. Declaration
   b. Introduction
   c. Heading
   d. Document Prologue
.

12. **_____ element is used for emphasis.**
   a. <em>
   b. <strong>
   c. <big>
   d. <small>

13. **The mode attribute is related with-**
   a. I element

b. **p element**
c. a element
d. none of the above

14. The difference in html and wml is

a. **document in html is page while in wml it is card**
b. tags are used in html not in wml
c. Both a and b
d. None of the above.

15.Metadata is placed between the element

a. **<p>**
b. **<a>**
c. **<head>**
d. < anchor>

16 .Which of the following is the task element

a. **<a>**
b. **<p>**
c. None of the above
d. **<go>**

17.Preformatted Text is specified by tag

a. **<go>**
b. **<do>**
c. **<pre>**
d. **<head>**

18. The format for WML images

a. .jpeg
b. .bmp
c. .gif
d. **.wbmp**

19. Wml variables are

a. **Case sensitive**
b. **Non-case-sensitive**

20.The align attribute is related with

a. **<table>**
b. **<go>**
c. **<do>**
d. **<p>**

Q21 Write Wml script for the following displayed data (5 marks)

Quote:Blipware	
Last	44
Change	-3.19
Change	-3.91
High	51
Low	41

Section -2 Network Security

22. Which of the following pieces of information can be found in the IP header?

  a. Source address of the IP packet
  b. Destination address for the IP packet
  c. Sequence number of the IP packet
  d. Both (A) and (B) only.

23. I bank online. Which of the following are application-level encryption protocols that I would most likely use to securely bank online?

  a. SSL and SET
  b. Verisign and SHA1
  c. READY, SET, and GO
  d. PGP, PEM, and SSL

24. We don't want our packets to get lost in transit. Which OSI layer is responsible for ordered delivery of packets?

  a. Network
  b. Link
  c. Transport
  d. Physical

25. I want to request secure web pages using https://. What port will I need to open on my firewall to allow these SSL-encrypted packets to flow?

  a. 161
  b. 53
  c. 6000

26. A network point that provides entrance into another network is called as _____
a. Node
b. Gateway
c. Switch
d. Router

27. What is the difference between a switch and a hub?
a. Switches operate at physical layer while hubs operate at data link layer
b. Switches operate at data link layer while hubs operate at transport layer
c. Switches operate at data link layer while hubs operate at physical layer
d. Switches operate at transport layer while hubs operate at physical layer

28. Which is layer 2 device in networking.
a. Hub
b. Switch
c .Router
d. Bridge

29. The port number for DNS is-
a. 43
b.80
c.53
d.110

30. The Internet is an example of a:
a. circuit switched network.
b. cell switched network.
c. packet switched network.
d. None of these

31. Which of the following pieces of information can be found in the IP header?
a. Source address of the IP packet
b. Destination address for the IP packet
c. Sequence number of the IP packet
d. Both (A) and (B) only.

32. Which of the following are true about firewalls? (Select all that apply.)
   a. **Filters network traffic**
   b. Can be either a hardware or software device
   c. Follows a set of rules
   d. Can be configured to drop packets

33. Firewalls are designed to perform all the following except:
   e. Limiting security exposures
   f. Logging Internet activity
   g. **Enforcing the organization's security policy**
   h. Protecting against viruses

34. Kerberos is a

   a. single party authentication service
   b. **third party authentication service**
   c. both the above

35. You want to have a private communication between two sites that also allows for encryption and authorization. Which of the following is the best choice in this instance?
   e. Modem
   f. Firewall
   g. **VPN**
   h. Bastion Host

36. You desire to secure a VPN connection. Which protocols should you use? (Select all that apply.)
   a. TLS
   b. **IPSec**
   c. SSL
   d. L2TP

37. Which of the following firewall types will allow for port security?
   a. Stateful Inspection
   b. **Packet filtering**
   c. Application filtering
   d. None of the above

38. Which of the following firewall policies is most restrictive?

a. Any any
b. **Deny all**
c. Permit all
d. None of the above

39. Which of the following characteristics of an intranet are true? (Select all that apply.)
a. An intranet can be a part of a Local Area Network (LAN)
b. **An intranet is designed to be publicly available**
c. An intranet can work with Wide Area Networks (WAN)
d. An intranet may be restricted to a community of users

40. Which of the following will a certificate server do?
a. Accepts and processes certificate requests
b. Accepts digital signatures and verifies the same
c. **Generates certificate for all Certificate servers in the public network**
d. None of the above

41. The phrase _____ describes viruses, worms, Trojan horse attack applets, and attack scripts.

A)   **malware**
B)   spam
C)   phish
D)   virus

42. . The _____ of a threat measures its potential impact on a system.

A)   vulnerabilities
B)   countermeasures
C)   **degree of harm**
D)   susceptibility

43. Nessus is an example of

a. port scanner
b. **vulnerability scanner**
c. network scanner

44. Vulnerability scanner which tells the operating system name and version
a. Amap
b.**Nmap**
c. Nessus
d. None of the above

45. Ethereal and Snort are popular examples of

a. virus programs
b. **sniffer programs**
c. Trojan programs
d. Spoofing programs