

**GEOGRAPHIC INFORMATION SYSTEMS
GEOGRAPHIC INFORMATION CENTER
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***** EXAMINATION *****

WIRELESS INTERNET PROTOCOL - INTERNET WITHOUT WIRES

1. **WIN means:**
 - a) Wireless Internal Network
 - b) Wireless Intelligent Network
 - c) Wireless Internal Node
 - d) Wireless Internal Neural

2. **Wireless IP will provide mobile subscribers with data transfer up to:**
 - a) 56 kilobytes per second
 - b) 128 kilobytes per second
 - c) 256 kilobytes per second
 - d) 384 kilobytes per second

3. **The medium access control layer controls and manages common resources**
 - a) between the mobile station and the base station
 - b) between the mobile station and the internet provider
 - c) between the mobile station and the first node
 - d) None of the above

4. **The link access control layer ensures that data transmitted is:**
 - a) segmented
 - b) transmitted
 - c) reassembled correctly
 - d) All of the above

5. **The point-to-point protocol is:**
 - a) single direction only
 - b) bi-directional
 - c) not asynchronous
 - d) None of the above

6. **The user datagram protocol**
 - a) requires a connection
 - b) is slow
 - c) requires no acknowledgement of packet receipt
 - d) All of the above

7. **The mobile internet provider and the Internet key exchange protocols work**
 - a) on the application layer
 - b) on the reliability layer
 - c) on the probability layer
 - d) on the predictive layer
8. **The service level agreement includes a description of:**
 - a) bandwidth
 - b) loss rate
 - c) delays
 - d) All of the above
9. **The service level agreement also includes a description of:**
 - a) the times of service availability
 - b) how the service will be measured
 - c) how the service will be billed
 - d) All of the above
10. **General packet radio service is a:**
 - a) GSM implementation of a wireless Internet provider
 - b) CDMA implementation of a wireless Internet provider
 - c) MSC implementation of a wireless Internet provider
 - d) None of the above
11. **When using a reverse tunnel, data packets are encrypted**
 - a) at the PDSN only
 - b) at the mobile station only
 - c) in both directions between endpoints
 - d) Any of the above
12. **For encryption, the PDSN uses a key made of the**
 - a) the network
 - b) the mobile IP address
 - c) a time stamp
 - d) All of the above
13. **When an adversary gains the encryption key, the network is vulnerable to:**
 - a) replay attacks
 - b) false registrations
 - c) phony control messages
 - d) All of the above
14. **A Reliability Class 1**
 - a) is error sensitive
 - b) has error correction capability
 - c) has very good error tolerance capability
 - d) All of the above

15. **A Reliability Class 2**

- a) is not error sensitive
- b) has no error correction capability
- c) has good error tolerance capability
- d) All of the above

16. **A Reliability Class 3**

- a) is error sensitive
- b) has no error correction capability
- c) has very good error tolerance capability
- d) All of the above

17. **The maximum mean transfer delay for a Class 2, SDU size**

- a) of 128 octets is one second
- b) of 128 octets is five seconds
- c) of 128 octets is 50 seconds
- d) of 128 octets is 75 seconds

18. **The maximum mean transfer delay for a Class 3, SDU size**

- a) of 128 octets is one second
- b) of 128 octets is five seconds
- c) of 128 octets is 50 seconds
- d) of 128 octets is 75 seconds

19. **The maximum mean transfer delay for a Class 2, SDU size**

- a) of 1024 octets is one second
- b) of 1024 octets is 15 seconds
- c) of 1024 octets is 50 seconds
- d) of 1024 octets is 75 seconds

20. **The maximum mean transfer delay for a Class 3, SDU size**

- a) of 1024 octets is one second
- b) of 1024 octets is 15 seconds
- c) of 1024 octets is 50 seconds
- d) of 1024 octets is 75 seconds

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