Program: BE Computer Engineering

Curriculum Scheme: Revised 2012

Examination: Fourth Year Semester VIII

Course Code: CPE8033 and Course Name: Adhoc Wireless Networks

Time: 1 hour Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

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| Q1. | Which of this is an outdoor mobility model? |
| Option A: | Random Walk |
| Option B: | Random Waypoint |
| Option C: | Gauss-Markov |
| Option D: | Random Direction |
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| Q2. | Bandwidth and delay is most important QoS parameter for which application? |
| Option A: | Multimedia |
| Option B: | Military |
| Option C: | Emergency rescue operations |
| Option D: | Communication among nodes in a sensor network |
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| Q3. | Which protocol is single channel MAC protocol? |
| Option A: | BTMA |
| Option B: | DBTMA |
| Option C: | ICSMA |
| Option D: | FAMA |
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| Q4. | Which protocol is contention based MAC protocol with scheduling mechanism? |
| Option A: | MACA/PR |
| Option B: | RTMAC |
| Option C: | FPRP |
| Option D: | MACA-BI |
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| Q5. | CTS frame means? |
| Option A: | Confirm To Send |
| Option B: | Continue to Send |
| Option C: | Clear To Send |
| Option D: | Carry To Send |
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| Q6. | Which IEEE standard applies to wireless LAN’s? |
| Option A: | 802.11 |
| Option B: | 802.15 |
| Option C: | 802.3 |
| Option D: | 802.1 |
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| Q7. | Which IEEE standard is developed for Bluetooth? |
| Option A: | 802.11 |
| Option B: | 802.15 |
| Option C: | 802.3 |
| Option D: | 802.1 |
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| Q8. | Which protocol is a hybrid routing protocol? |
| Option A: | DSDV |
| Option B: | STAR |
| Option C: | ZRP |
| Option D: | AODV |
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| Q9. | Which of this is not an intra-domain routing protocol? |
| Option A: | RIP |
| Option B: | BGP |
| Option C: | OSPF |
| Option D: | Distance Vector Routing |
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| Q10. | ‘Stub’ Link Type is associated with which Link Data? |
| Option A: | Interface number |
| Option B: | Router address |
| Option C: | Network mask |
| Option D: | IP address |
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| Q11. | Which multicast routing strategy adds pruning and grafting to create a multicast shortest path tree that supports dynamic membership changes? |
| Option A: | Flooding |
| Option B: | RPF |
| Option C: | RPB |
| Option D: | RPM |
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| Q12. | Wormhole attack pertains to which layer? |
| Option A: | MAC layer |
| Option B: | Network layer |
| Option C: | Transport layer |
| Option D: | Application layer |
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| Q13. | Session hijacking takes place at which layer? |
| Option A: | MAC layer |
| Option B: | Network layer |
| Option C: | Transport layer |
| Option D: | Application layer |
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| Q14. | Explicit path break notification is not present in? |
| Option A: | TCP-F |
| Option B: | TCP-ELFN |
| Option C: | TCP-BUS |
| Option D: | Split-TCP |
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| Q15. | Which transport layer protocol retransmits the lost packets without invoking congestion control? |
| Option A: | TCP-F |
| Option B: | TCP-ELFN |
| Option C: | TCP-BUS |
| Option D: | ATCP |
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| Q16. | Which TCP protocol provides buffering capability and sequence information? |
| Option A: | TCP-F |
| Option B: | TCP-ELFN |
| Option C: | TCP-BUS |
| Option D: | Split-TCP |
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| Q17. | Which routing protocol is designed for efficient flooding mechanism? |
| Option A: | OSPF |
| Option B: | MOSPF |
| Option C: | OLSR |
| Option D: | CEDAR |
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| Q18. | Logical tunneling is established by |
| Option A: | Encapsulating multicast packet inside a unicast packet |
| Option B: | Separating multicast and unicast packets |
| Option C: | Encapsulating unicast packet inside a multicast packet |
| Option D: | Not performing encapsulation |
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| Q19. | Only protocol that supports MBONE and tunneling is: |
| Option A: | DVMRP |
| Option B: | TCP |
| Option C: | UDP |
| Option D: | MRP |
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| Q20. | In wireless adhoc network, |
| Option A: | Access point is not needed |
| Option B: | Access point is must |
| Option C: | Nodes are not needed |
| Option D: | Wired connection is needed |
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| Q21. | Which multiple access technique is used by IEEE 802.11 standard for wireless LAN? |
| Option A: | CDMA |
| Option B: | CSMA/CA |
| Option C: | ALOHA |
| Option D: | ANOHA |
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| Q22. | Mostly \_\_\_\_\_\_\_ is used in wireless LAN. |
| Option A: | Time division multiplexing |
| Option B: | Orthogonal frequency division multiplexing |
| Option C: | Space division multiplexing |
| Option D: | Simplex multiplexing |
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| Q23. | In wireless LAN, there are many hidden stations so we cannot detect the |
| Option A: | Frames |
| Option B: | Collision |
| Option C: | Signal |
| Option D: | Data |
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| Q24. | Which point refers to stationary or mobile wireless station and also have optional central base station? |
| Option A: | Point to point |
| Option B: | Multipoint |
| Option C: | Network point |
| Option D: | Access point |
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| Q25. | Wireless communication started in which year? |
| Option A: | 1869 |
| Option B: | 1895 |
| Option C: | 1879 |
| Option D: | 1885 |