

TIME: 40 minutes

MAXIMUM MARKS: 30

SEM	SET	PAPER CODE	TITLE OF THE PAPER
II	2014	14PIT2401	WIRELESS NETWORKS

**SECTION - A****Answer all the questions:****30 × 1 = 30****Choose the correct answer:**

- The best example for cellular revolution is \_\_\_\_\_.
  - Pager
  - Mobile
  - TV
  - Radio
- The second generation wireless system is \_\_\_\_\_.
  - AMPS
  - GSM
  - ITU
  - IETF
- The primary WLAN standard is IEEE \_\_\_\_\_.
  - 801.11
  - 802.11
  - 802.12
  - 802.15
- The \_\_\_\_\_ is a measure of time in a single period of a signal.
  - Amplitude
  - Frequency
  - Phase
  - Wave length
- Gigahertz (GHz) \_\_\_\_\_.
  - $10^7$
  - $10^8$
  - $10^9$
  - $10^{11}$
- The unused portion of the spectrum is \_\_\_\_\_.
  - Guard bands
  - Slots
  - Buffer
  - Guided media

7. FSK means\_\_\_\_\_.
- a) Frequency Shift Keying      b) Filter Shift Key  
c) Fundamental Shift Key      d) Free Space Key
8. The slow frequency hop spread spectrum is \_\_\_\_\_.
- a)  $T_c \geq T_s$                       b)  $T_c < T_s$   
c)  $T_c = T_s$                       d)  $T_c \neq T_s$
9. The orthogonal property is\_\_\_\_\_.
- a)  $S_A(C_B) = S_B(C_A) = 0$       b)  $C_B(S) = C_A(S)$   
c)  $C(S_B) = C(S_A) = 1$       d)  $C_B = C_A = 0$
10. A \_\_\_\_\_orbit passes over both poles.
- a) Equatorial                      b) Inclined  
c) Polar                              d) GEO
11. Odyssey is an example for \_\_\_\_\_system.
- a) LEO                                b) MEO  
c) GEO                                d) DEO
12. \_\_\_\_\_work at frequencies above 1GHz.
- a) Little LEO                      b) Big LEO  
c) MEO                                d) GEO
13. For AMPS the channel Bandwidth is\_\_\_\_\_.
- a) 10 KHz                            b) 20 KHz  
c) 30 KHz                            d) 40 KHz
14. The \_\_\_\_\_channel transmits from subscriber to base station.
- a) DCC                                b) RCC  
c) FCC                                d) BCH
15. \_\_\_\_\_MHz is commonly allocated to Mobile radio applications.
- a) 500                                b) 700  
c) 900                                d) 1000
16. A \_\_\_\_\_cell have a radius between 100m and 35Km.
- a) GSM      b) ME      c) SIM      d) NS

17. In IS-95 channels 1 to 7 is called \_\_\_\_\_.
- a) Pilot
  - b) Synchronization
  - c) Paging
  - d) Traffic
18. The minimum bit rate for 8 channels system is \_\_\_\_\_ Kbps.
- a) 190
  - b) 192.5
  - c) 195.2
  - d) 195.8
19. \_\_\_\_\_ mechanism supports time bound application.
- a) OFDM
  - b) RTS
  - c) PCF
  - d) CTS
20. The \_\_\_\_\_ layer define the access mechanisms.
- a) PHY
  - b) MAC
  - c) RF
  - d) NAV
21. There are \_\_\_\_\_ mobility types in IEEE 802.11
- a) 2
  - b) 3
  - c) 4
  - d) 5
22. The \_\_\_\_\_ provides control over information transfer.
- a) UNI
  - b) User plane
  - c) Control plane
  - d) NNI
23. The HIPERLAN needs coverage of upto\_\_\_\_\_.
- a) 10m
  - b) 100m
  - c) 1 Km
  - d) 100 Km
24. The \_\_\_\_\_ is a secret-key algorithm in system.
- a) RC-4
  - b) DES
  - c) RC-3
  - d) None of these
25. \_\_\_\_\_ is a short range wireless voice.
- a) Home RF
  - b) Blue tooth
  - c) WPAN
  - d) HIPERLAN

26. Bluetooth defines a small cell as a\_\_\_\_\_.
- a) PICONET
  - b) Protocol
  - c) AP
  - d) PILONET
27. A symmetric 3 slots = \_\_\_\_\_per sec.
- a) 900
  - b) 1375
  - c) 1875
  - d) 3125
28. A transmitted signal travels \_\_\_\_\_in one second in free space.
- a)  $2 \times 10^4$ m
  - b)  $3 \times 10^8$ m
  - c)  $3 \times 10^9$ m
  - d)  $2 \times 10^8$ m
29. In Radio specification which class transmitter have lowest power?
- a) CLASS-0
  - b) CLASS-1
  - c) CLASS-2
  - d) CLASS-3
30. \_\_\_\_\_Code is used for paging.
- a) CAC
  - b) DAC
  - c) IAC
  - d) FAC

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