

**D 71061**

**(Pages 2)**

**Name.....**

**Reg. No.....**

**FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2014**

**(UG-CCSS)**

**Core Course**

**CA 5B 07—DATA COMMUNICATION AND MOBILE COMPUTING**

Time : Three Hours

Maximum : 30 Weightage

**Section I**

*Answer **all** questions.*

1. What is an analog signal ?
2. Expand the term ANSI.
3. What is PCM ?
4. What is VSLI ?
5. What is WAN ?
6. Write full form of DPCM.
7. FDM means
8. Write full form of the term CDMA.
9. What is GSM ?
10. What is WAP ?
11. ADSL is
12. Expand the term QPSK.

(12 x    = 3 weightage)

**Section II**

*Answer **all** nine questions.*

13. What is mean by Effective bandwidth ?
14. Define wave length in signals.
15. List out different type of noise.
16. What is data rate ?
17. What is parity checking ?
18. Expand IEEE.
19. What is IVR ?

**Turn over**

20. What is packet data ?
21. What is mean by channel capacity ?

(9 x 1 = 9 weightage)

### Section III

*Answer any five questions.*

22. Why is multiplexing so cost effective ?
23. What is echo cancellation ?
24. Explain statistical time division multiplexing.
25. Define the term spectrum in communication.
26. Explain analog modulation.
27. Compare AM and FM Modulation.
28. Write a note on Terrestrial Microwave propagation.

(5 x 2 = 10 weightage)

### Section IV

*Answer any two questions.*

29. Explain Mobile internet standards.
30. What are the different error detection and correction methods in communication ?
31. Explain the developments of GSM.

(2 x 4 = 8 weightage)