D 71061

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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 ?

<div align="right">(9 x **1** = 9 weightage)</div>

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.

<div align="right">(5 x 2 = 10 weightage)</div>

Section IV

Answer any **two** *questions.*

29. Explain Mobile internet standards.

30. What are the different error dictation and correction methods in communication ?

31. Explain the developments of GSM.

<div align="right">(2 x 4 = 8 weightage)</div>