END TERM EXAMINATION

SIXTH SEMESTER [BCA] JUNE 2024

Paper Code: BCA-304	**Subjects: Mobile Computing**
Time: 3 Hours	**Maximum Marks: 75**

Note: Attempt five questions in all including Question no 1 which is compulsory. Select One question from Each Unit.

Q1   **Attempt the following:**   **(2.5*10=25)**
    (a) Define periodic&aperiodic Signals.
    (b) What is Chipping Sequence?.
    (c) What is Delay Spread?.
    (d) Define CSMA & PRMA.
    (e) Write Five GSM Protocols.
    (f) Explain the Components of Radio Subsystem layer .
    (g) Explain the types of "Bearer Services".
    (h) Define MACA.
    (i) Explain <optgroup> element.
    (j) Explain Inhibit Sense Multiple Access.

UNIT-I

Q2   Discuss the concept Modulation in detail and also mention its various types.   **(12.5)**

OR

Q3   Explain the various techniques of implementing Spread Spectrum.   **(12.5)**

UNIT-II

Q4   What is DECT? Describe its Protocol Architecture & System Architecture.   **(12.5)**

OR

Q5   Elaborate the concepts of GEO, LEO, MEO & Routing in detail.   **(12.5)**

UNIT-III

Q6   Discuss all the elements and their attributes used in WML User interaction.   **(12.5)**

OR

Q7 (a) What do you understand by WML Timers, Desks, Templates and Cards.   **(6.5)**
    (b) Write a WML Script using <input> ,<select>&<option>.   **(6)**

UNIT-IV

Q8 (a) Write a WML Script statement using expression as statements, conditions & Loops.   **(6.5)**

    (b) Write a WML Script function to check a valid email id. For a valid format, display the message "Correct email", and for invalid email id, display the message "Wrong email".   **(6)**

OR

Q9 (a) Explain the security and limitations of WAP services.   **(4.5)**
    (b) Explain Operand Conversion, Conditions, Loops & Functions in terms of WML.   **(8)**

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