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PG (CBCS)
M.SC. Semester- III Examination, 2023
COMPUTER SCIENCE
PAPER: COS 303
Elective-A
(MOBILE COMPUTING)

Full Marks: 40   **Time: 2 Hours**

The figures in the right-hand margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

1. Answer any **FOUR** of the following questions: 4×2=8

   a) What do you mean by network mobility?
   b) Explain modulation techniques.
   c) What is Mobile telephone system?
   d) How is an ad hoc network different from cellular network?
   e) What is WDM?
   f) What do you mean by pure ALOHA?
   g) State the advantages of wireless communication.
   h) What are trapdoor attacks?

GROUP-B

2. Answer any **FOUR** of the following questions: 4×4=16

   a) What do you mean by Multiple Access? Briefly state the CSMA protocol.
   b) How frequency is being reused?
   c) State the difference between FDMA and TDMA.
   d) Write down the advantages and disadvantages of I-TCP.
   e) Compare between Bluetooth and Radio signal.
   f) State the difference between IPv4 and IPv6.
   g) What is wireless LAN? Explain various wireless LAN technologies.
   h) Explain WAP Forum.

GROUP-C

3. Answer any **TWO** of the following questions: 2×8=16

   a) What is cellular communication? Explain the evolution of cellular technology. 2+6
   b) What is access protocol? Explain various Random-access protocols.   2+6
   c) Explain various functions for mobile computing.   8
   d) What is Mobile IP? Write down the goals of mobile IP.
      Explain the IPv6 header.   1+3+4