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18IC81

Eighth Semester B.E. Degree Examination, June/July 2024

Mobile Computing

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain Mobile Computing Architecture with neat diagram. (12 Marks)
- b. What are the design considerations for mobile computing? (08 Marks)

OR

- 2 a. With a neat diagram, explain the architecture of WIRELESS BROADBAND (WIMAX). (12 Marks)
- b. Explain SMS Architecture. (08 Marks)

Module-2

- 3 a. Explain the components of GPRS system architecture. (12 Marks)
- b. Discuss the application for GPRS. (08 Marks)

OR

- 4 a. Explain components and features of mobile phones. (12 Marks)
- b. Discuss CDMA V/s GSM. (08 Marks)

Module-3

- 5 a. With a neat diagram, explain the smart client architecture. (10 Marks)
- b. Discuss the different types of Mobile 0.5. (10 Marks)

OR

- 6 a. Explain implementation and testing phase. (10 Marks)
- b. What is Deployment phase? Explain the different challenges that occur during the deployment phase. (10 Marks)

Module-4

- 7 a. Discuss the key components of W.A.P. (05 Marks)
- b. Briefly explain the Browsers and its content types. (05 Marks)
- c. With diagram explain the states of wireless internet request. (10 Marks)

OR

- 8 a. Explain Need Analysis Phase and things to consider during need Analysis. (12 Marks)
- b. What are the Thin client applications models? (08 Marks)

Module-5

- 9 a. Explain J2MEE technology with example. (10 Marks)
- b. Discuss with examples of C.D.C, C.L.D. C and M.I.D.P. (10 Marks)

OR

- 10 Give the short notes on the following : (20 Marks)
 - i) Record management system
 - ii) Programming for C.L.D.C
 - iii) G.U.I in M.I.D.P
 - iv) Security consideration in M.D.P.

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.