

CBCS SCHEME

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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 :
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. (20 Marks)

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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.