

R16

Code No: 136CX

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, July/August - 2021

MOBILE COMPUTING

(Common to CSE, IT)

Time: 3 hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

- 1.a) Draw and explain the architecture of mobile communications. [8+7]
b) What are the limitations of mobile and handheld devices?
- 2.a) Draw and explain the functional architecture of GSM. [8+7]
b) Differentiate between GSM and GPRS.
- 3.a) Explain about near and far terminals. [7+8]
b) Draw and explain the architecture of WLAN.
- 4.a) What is handover management in mobile IP? [8+7]
b) Explain about DHCP.
- 5.a) Differentiate between indirect TCP and snooping TCP. [8+7]
b) Explain the conventional TCP/ IP protocols.
- 6.a) List and explain various caching techniques. [7+8]
b) List and explain various data recovery processes.
- 7.a) What is broadcasting? Explain various models. [8+7]
b) Explain about indexing method.
- 8.a) Mention the applications of MANET. [7+8]
b) Explain AODV.

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