

Total No. of Questions : 8]

SEAT No. :

PD4660

[Total No. of Pages : 2

[6404]-166

B.E. (Information Technology)

MOBILE COMPUTING

(2019 Pattern) (Semester-VII) (414444 A) (Elective-III)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6 and Q.7 or Q.8.
- 2) Neat diagrams must be drawn whenever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) Explain difference between 2G, 3G, 4G. [9]

b) Explain the First Generation of wireless communication with its standards. [9]

OR

Q2) a) Write a note on Third Generation Wireless Networks (3G). [9]

b) Explain the different technologies under 5G. [9]

Q3) a) What is Mobile IP and Explain its entities and terminology. [8]

b) Write a short note on: DHCP protocol mechanism. [9]

OR

Q4) a) Explain Encapsulation Process and its types protocol are specified for Mobile IP. [8]

b) Describe DSDV and DSR routing algorithms for adhoc networks? [9]

Q5) a) Explain Traditional TCP in detail? [9]

b) Explain the Mobile WWW System Architecture in brief. [9]

OR

P.T.O.

Q6) a) Explain Slow start, Fast retransmit/fast recovery in regard with TCP. [9]

b) Explain briefly WAP model architecture. [9]

Q7) a) Write short notes on: [9]

i) Symbian OS

ii) Android

b) Discuss the Mobile Payment System. [8]

OR

Q8) a) Give the list of Mobile Operating System and Explain its components. [9]

b) Write a note on Software Development Kit-iOS SDK and Android SDK? [8]