

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]

