

Total No. of Questions : 8]

SEAT No. :

PB2325

[6263]-173

[Total No. of Pages : 2

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 wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) What is 4G and how it works? List down specification of 4G. [8]

b) Discuss the evolutions of Mobile Communication Technologies in detail. [9]

OR

Q2) a) Write short note on : Fifth generation telecommunication standard or 5G. [8]

b) Explain Massive MIMO technology in details. [9]

Q3) a) Illustrate the need of Mobile IP and its working with a diagram? [9]

b) Explain VANET Architecture in details. [9]

OR

Q4) a) Write a short note on Hybrid Routing ZRP Protocol, Explain with architecture. [9]

b) Why is Mobile IP packet required to be forwarded through a tunnel? Explain minimal techniques of encapsulation of Mobile packet. [9]

Q5) a) Explain the working of Mobile TCP and its advantages and disadvantages. [8]

b) Describe briefly WAP protocol stack in details. [9]

OR

P.T.O.

- Q6)** a) What is Mobile Agent? Describe different features of Mobile Agent. [8]
b) Compare I-TCP, Snooping TCP and Mobile TCP. [9]

- Q7)** a) Describe Application Framework of Android Operating system. [9]
b) Discuss any three Mobile Operating systems that are widely used in mobile phones. [9]

OR

- Q8)** a) Describe iOS Software Development Kit (SDK) in details. [9]
b) What is Mobile Payment? Explain types of Mobile payment in detail. [9]

* * *