

Total No. of Questions : 8]

SEAT No. :

PE-2272

[Total No. of Pages : 2

[6584]-176

B.E. (Information Technology)

MOBILE COMPUTING

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

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6 and Q7 or Q8.*
- 2) *Neat diagrams must be drawn wherever necessary*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data, if necessary.*

Q1) a) Explain the advances in Fifth generation telecommunication standard in detail. [8]

b) Compare all Mobile generations. [9]

OR

Q2) a) Explain MIMO technology in details. [8]

b) What is 4G and how it works? List down specification of 4G. [9]

Q3) a) Explain VANET Architecture in details. [9]

b) What is Mobile IP and need of Mobile IP? [9]

OR

Q4) a) Why is Mobile IP packet required to be forwarded through a tunnel? Explain minimal techniques of encapsulation of Mobile packet. [9]

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

P.T.O.

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

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

OR

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) Write a short note on Mobile Operating System. [9]

OR

Q8) a) What is Mobile Payment? Explain types of Mobile Payment in detail [9]

b) Describe iOS Software Development Kit (SDK) in details. [9]

