SEAT No. :

**PC-193**

## [6361]-51

# B.E.(Computer Engg.) (Insem.)
# MOBILE COMPUTING

## (2019 Pattern) (Semester - VII) (410245 - C)(Elective - IV)

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates :*

1) *Solve Q.1 or Q.2, Q.3 or Q.4. and Q.5 or Q.6*
2) *Figures to the right indicate full marks.*
3) *Assume suitable data, whenever necessary.*

**Q1)** a) What is mobile computing? Explain user mobility and device portability. **[6]**

b) Explain the constraints in mobile computing. **[4]**

OR

**Q2)** a) Explain in detail the applications of mobile computing. **[6]**

b) Write a short note on Ad-Hoc Network. **[4]**

**Q3)** a) Draw and Explain WAP Architecture. **[6]**

b) Compare Time Division Multiple Access (TDMA) and Code Division Multiple Access (CDMA). **[4]**

OR

**Q4)** a) What are the benefits of routing protocols for Ad-Hoc wireless networks DSDV and AODV? **[6]**

b) What is handoff? List the characteristics of handoffs. **[4]**

**Q5)** a) Explain in brief PCS Architecture. **[6]**

b) Write a short note on MAC. **[4]**

OR

**Q6)** a) What are the hidden and exposed terminal problems? **[6]**

b) What are the advantages and disadvantages of 1G? **[4]**

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