Total No. of Questions : 8]

SEAT No. :

P614

[Total No. of Pages : 2

[6004] - 566

B.E. (Information Technology Engineering)

MOBILE COMPUTING

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

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, Q.7 or Q.8.*
2) *Figures to the right indicate full marks.*
3) *Neat diagrams must be drawn wherever necessary.*
4) *Use of a calculator is allowed.*
5) *Assume suitable data if necessary.*

Q1)	a)	i)	Diagram.	**[3]**
		ii)	Explanation.	**[6]**
	b)	i)	Explanation.	**[1]**
		ii)	2G Standards.	**[8]**
			OR	
Q2)	a)	i)	Diagram.	**[3]**
		ii)	Explanation.	**[6]**
	b)	i)	Explanation	**[3]**
		ii)	Features.	**[3]**
		iii)	Services provided by 3G.	**[3]**
Q3)	a)	i)	DSDV.	**[4]**
		ii)	DSR routing algorithms for ad hoc networks.	**[4]**
	b)	i)	Diagram	**[3]**
		ii)	Explanation	**[6]**
			OR	
Q4)	a)	i)	Hidden and exposed terminal problem.	**[3]**
		ii)	Mobility of nodes.	**[3]**
		iii)	Resource Constraint.	**[3]**
	b)	i)	Tunnelling.	**[3]**
		ii)	Encapsulation.	**[3]**
		iii)	Reverse Tunnelling.	**[2]**

P.T.O.

Q5)	a)	i)	Explanation.	**[3]**
		ii)	Features.	**[6]**
	b)	i)	Indirect-TCP (Diagram -02/ Explaination-03)	**[5]**
		ii)	Snooping TCP with diagram. (Diagram -02/ Explaination-02)	**[4]**

OR

Q6)	a)	i)	Architecture Diagram.	**[3]**
		ii)	Explanation.	**[6]**
	b)	i)	Slow start.	**[3]**
		ii)	Fast retransmit.	**[3]**
		iii)	Fast recovery.	**[3]**

Q7)	a)	i)	Explanation of Mobile Device Operating Systems	**[3]**
		ii)	Special Constrains & Requirements.	**[6]**
	b)	i)	iOS SDK.	**[4]**
		ii)	Android SDK.	**[4]**

OR

Q8)	a)	i)	Explanation of Mobile Payment System.	**[4]**
		ii)	Security issues.	**[5]**
	b)	i)	Palm OS.	**[2]**
		ii)	Symbian OS.	**[2]**
		iii)	iOS.	**[2]**
		iv)	Android.	**[2]**

❄ ❄ ❄