PMCAT304.2 - Elective-II : Wireless & Mobile Computing Paper-IV

P. Pages : 2

GUG/S/19/11106

Time : Three Hours

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* 3 0 5 2 *

Max. Marks : 80

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Notes : 1. All questions are compulsory & carry equal marks.
2. Draw neat and labelled diagram wherever necessary.
3. Avoid vague answer and write answers relevant & specific to questions only.

1. Either

a) Explain operations of cellular system in detail. **8**

b) Write a note on – **8**
   i) TDMA ii) FDMA

OR

c) Explain mobile radio propagation effects in detail. **8**

d) Explain. **8**
   i) Power control. ii) Sectorization.

2. Either

a) Explain GSM system architecture. **8**

b) Write a note on – **8**
   i) Protocol ii) Security.

OR

c) Explain GPRS architecture in detail. **8**

d) Write a note on – **8**
   i) Interfaces. ii) Channels.

3. Either

a) Explain Bluetooth user scenarios in detail. **8**

b) Explain access control sub layer in detail. **8**

OR

c) Explain MAC management in detail. **8**

d) Explain HIPERLAN protocol architecture. **8**

4. Either

a) Explain about wireless sensor network. **8**

b)	What is time out freezing? Explain.		**8**

<div align="center">**OR**</div>

c)	What is transaction oriented TCP? Explain.			**8**
d)	Write a note on – i) Indirect TCP.	ii) Snooping TCP.		**8**
5.	Solve all the questions.			
	a)	Write a note on variation pattern in wireless communication.		**4**
	b)	Write a note on localization & calling.		**4**
	c)	Explain in short LAN architecture.		**4**
	d)	Write a note on Mobile IP.		**4**

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