

Jaypee University of Engineering & Technology, Guna**T-3 (Even Semester 2023)****18B14CI842 – MOBILE COMPUTING**

Maximum Duration: 2 Hours

Maximum Marks: 35

Notes:

1. This question paper has seven questions.
2. Write relevant answers only.
3. Do not write anything on question paper (Except your Er. No.).

	Marks	CO No.
Q1. Summarize the working of WAP (Wireless Application Protocol) with the help of architecture and its various access points. Discuss the different levels of security provided by WTLS (Wireless Transport Layer Security).	[05]	CO2
Q2. Illustrate the advantages offered to higher layers by WTP (Wireless Transaction Protocol). Discuss the difference between Class 0, Class 1 and Class 2 transaction services.	[05]	CO4
Q3. Explain what is the reaction of standard TCP in case of packet loss? In what situation does this reaction make sense and why is it quite often problematic in the case of wireless network and mobility?	[05]	CO4
Q4. How Indirect TCP (I-TCP) works? Evaluate the advantages and disadvantages of I-TCP.	[05]	CO5
Q5. Elucidate the steps for a mobile terminated call (MTC) along with diagram.	[05]	CO2
Q6. What is wireless markup language (WML)? Discuss the advantages and limitations of WML.	[05]	CO5
Q7. Why the traditional IP cannot be used in a mobile network. What are the main differences between the traditional IP and the mobile IP? How does mobile IP support mobile hubs?	[05]	CO3