LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

FIFTH SEMESTER – **NOVEMBER 2022**

UCA 5602 – MOBILE COMPUTING

Date: 30-11-2022   Dept. No.   Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART – A	(10 x 2 = 20 Marks)

Q. No	Answer ALL Questions
1	Define Mobile Computing.
2	What is ICAP?
3	List the entities involved in the formation of GSM network.
4	Give basic reasons for Handover.
5	What is WDP?
6	Write the features provided by WTLS?
7	Define Foreign Agent.
8	Write the advantages of indirect TCP in mobile computing.
9	What is Encoding?
10	Define spatial and temporal compression.

PART – B	(5 x 8 = 40 Marks)

Answer ALL the Questions

11	(a) Describe the Three - Tier Architecture of mobile computing with neat diagram.
	(Or)
	(b) Explain the Bluetooth Technology in detail.
12	(a) Describe the GSM architecture with its entities.
	(Or)
	(b) Describe the GPRS architecture in detail.
13	(a) Write about different messages used by MMS to perform message transactions.
	(Or)
	(b) Explain the Mobile Ad hoc networks with MANET in detailed manner.
14	(a) Explain the Mobile IPv6 with its features.
	(Or)
	(b) Describe about Indirect TCP.
15	(a) Discuss about the multimedia networked protocols.
	(Or)
	(b) Write about different Networked multimedia application.

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PART – C	(2 x 20 = 40 Marks)

Answer any TWO Questions

16.	(a) Discuss the Radio frequency identification Technology.
	(b) Explain the GPRS network Enhancement.
17.	(a) Illustrates the WAP architecture.
	(b) Describe the working process of Mobile IP with its relevant diagram.
18.	(a) Explain the Mobile Transport Layer with working process.
	(b) Describe the compression and decompression in multimedia and the different compression techniques.

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