(6 pages)	Reg. No.:	3.	is an access method in which multiple nodes are allotted different time slots to access the same physical channel.						
Code No. : 8074	Sub. Code: ZCAE 33		(a)	FDMA	(b)	CSMA			
M.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2023		4.	(c)	CDMA MP stands for –	(d)	TDMA			
Third Semester		4.	(a) WAP Control Message Protocol						
Computer Application – Elective			(b) Wireless Central Message Protocol						
MOB		(c) Wireless Control Mobile Protocol							
(For those wh		(d)	(d) Wireless Control Message Protocol						
Time: Three hours Maximum: 75 marks $PART A - (10 \times 1 = 10 \text{ marks})$		5.	The is mainly used to simplify the installation and maintenance of networked computers.						
Answer ALL questions.			(a) Distributive host configuration protocol						
Choose the correct answer:			(b) Dynamic host configuration process						
1. IEEE 802.16 standard refers to ———.			(c)	Dynamic host	configura	tion protocol			
(a) Wi-Fi	(b) Bluetooth		(d)	Dynamic host	central p	rotocol			
(c) WiMAX (d) Hiper LAN 2. A ———————————————————————————————————		6.	Which of the following is not a characteristic of 3G network?						
			(a) Communication over VoIP(b) Unparalleled network capacity(c) Multi-megabit Internet access						
						(d)	LTE based ne	twork	
						(d) Operating	system		

lock	can be ensured through the use of ging and rollback protocols.
(a)	Isolation (b) Atomicity
(c)	Consistency (d) Durability
	deals with the delivery of data from a a repository (server) to a large number of nts.
(a)	Recovery
(b)	Data dissemination
(c)	Replication
(d)	Rollback
The	e environment to develop applications for droid consists of
(a)	Android SDK
(b)	IDE Eclipse
(c)	Java Development Kit (JDK)
(d)	All of these
Wł	no first coined the term mobile commerce
(a)	Kevin Duffey
(b)	Duffer brothers
(c)	Warren Buffet

Page 3

Code No.: 8074

Bill Gates

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Explain the Bluetooth technology with its protocol stack.

Or

- (b) Explain in detail the three main categories of services provided by GSM.
- 12. (a) Explain in detail wireless transport layer security.

Or

- (b) Sketch the WAP2.0 architecture and explain.
- 13. (a) Present a brief notes on the following:
 - (i) IPv6
 - (ii) Problems associated with reverse tunnelling

Or

(b) Elucidate on mobile TCP characteristics with its advantages.

Page 4 Code No.: 8074 [P.T.O.]

14. (a) What are the issues in transaction processing? Explain.

Or

- (b) Write about the important constraints on mobile operating system.
- 15. (a) Explain the
 - (i) Advantages of Android
 - (ii) Android SDK environment

Or

(b) Write about B2C applications of M-Commerce.

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Elaborate on the components of wireless communication system.

Or

(b) Describe the system architecture of GSM with diagram.

Page 5 Code No.: 8074

17. (a) Explain the random assignment schemes and reservation based schemes of MAC protocol.

Or

- (b) What is an I-mode service? Explain the I-mode protocol stack.
- 18. (a) Write detailed notes on dynamic host configuration protocol.

Or

- (b) What are the various entities and terminologies of mobile IP? Explain.
- 19. (a) Discuss about the concept behind query processing.

Or

- (b) Describe the evolution and features of Windows mobile operating system.
- 20. (a) Elaborate on the following
 - (i) Android application components
 - ii) Android software stack structure

Or

b) Explain the architecture of mobile commerce.

Page 6 Code No.: 8074