

10/5/27



END TERM EXAMINATION
School of Engineering & IT

Branch	CS & IT	Program	MCA
Subject Name	Mobile Application Programming	Semester	4th
		Year	2023/ Even

Time: 3 Hour
Max. Marks : 70

- Start writing from 2nd page onwards; don't Write on the 1st Page Backside
- Answer all Questions of Section A (Compulsory)
- Answer Any Four out of Six of Section B
- Answer Any Three out of Five of Section C
- Graf Paper / Drawing Sheet/ Log Book/ Ledger (please Mention if ready) stand
- Possession of Mobile Phones or any kind of Written Material, Arguments with the Invigilator or Discussing with Co-Student will comes under Unfair Means and will Result in the Cancellation of the Papers.

Knowledge Level (KL)

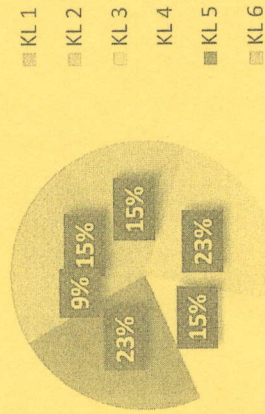
K1 : Remembering K3 : Applying K5 : Evaluating
K2 : Understanding K4 : Analysing K6 : Creating

O- Course Outcomes, KL- Knowledge Level, PO – Program Outcome

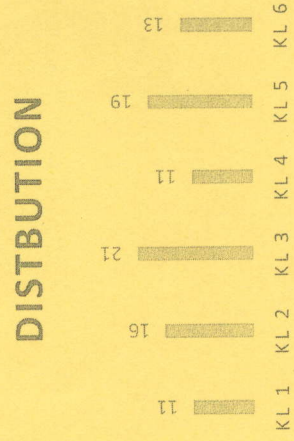
CO1	Create mobile applications using Google & Android open-source platform
CO2	Apply advanced Android development techniques
CO3	Can work with GPS, wi-fi.
CO4	Create animations with android's graphics API
CO5	Can understand Android database connectivity using SQLite
CO6	Can understand SQLite Programming

GRAFICAL REPRESENTATION

Bloom's Level wise Marks Distribution



COURSE OUTCOME WISE MARKS DISTRIBUTION



Section A (Each question Carry 02 Marks from Q1-i to Q1-x) – 20 Marks

Q. N 1	QUESTIONS	Marks	COs	KL	PO
i	What is android view group?	2	CO1	K1	PO1
ii	What is the difference between margin and padding in android layout?	2	CO2	K2	PO2
iii	What is Manifest.xml in android?	2	CO2	K4	PO5
iv	What is the library of Map View in android?	2	CO4	K5	PO6
v	What is splash screen in android?	2	CO3	K3	PO4
vi	How to move services to foreground in android?	2	CO2	K3	PO3
vii	What are the functionalities of Binder services in android?	2	CO3	K2	PO2
viii	What is the difference between services and thread in android?	2	CO4	K3	PO1
ix	How to stop the services in Android?	2	CO3	K2	PO5
x	What is ANR in android?	2	CO3	K1	PO6

Section B (Answer any FOUR out of SIX) – 20 Marks

(Each question Carry 5 Marks)

Q. No.	QUESTIONS	Marks	COs	KL	PO
2	What is popup menu? Explain how do you create popup menu	5	CO3	KL4	PO2
3	How do you design toggle button and implement the response to it?	5	CO4	KL1	PO5
4	What is Recycler View? Explain the components of Recycler View.	5	CO2	KL2	PO6
5	Explain the steps for creating the Virtual device.	5	CO1	KL4	PO7
6	Define Loader. Explain, how do you start and restart a loader.	5	CO3	KL3	PO9
7	What is a Notification? Explain the implementation steps for creating Notifications	5	CO4	KL2	PO2

Section C (Answer any THREE out of FIVE) – 30 Marks-

(Each question Carry 10 Marks)

Q. No.	QUESTIONS	Marks	COs	KL	PO
8	Define SQLite. Explain an example table for SQLite to store data in tables.	10	CO2	KL2	PO9
9	How do you schedule a repeating alarm? Explain with an example	10	CO3	KL4	PO7
10	What is the Activity lifecycle? Explain with diagram and call back methods that support activity lifecycle	10	CO2	KL6	PO8
11	Define Permissions. Explain how to request permissions. How do you grant and revoke permissions?	10	CO6	KL2	PO3
12	With an example, explain how do you use.rawQuery() and query() in Android SQLite.	10	CO6	KL5	PO5

CO- Course Outcomes, KL- Knowledge Level, PO – Program Outcome

CO1	Identify the business problem for a given context and frame the objectives to solve it through data analytics tools.
CO2	Apply various algorithms for handling large volumes of data.
CO3	Illustrate the architecture of HDFS and explain functioning of HDFS clusters.
CO4	Analyses the usage of Map-Reduce techniques for solving big data problems.
CO5	Analyses the usage of Map-Reduce techniques for solving big data problems.

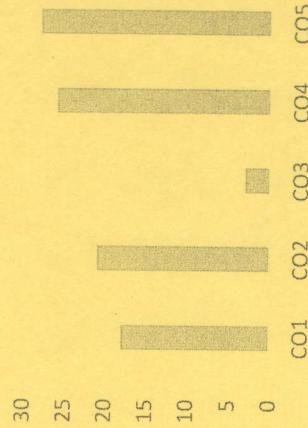
GRAFICAL REPRESENTATION

Bloom's Level wise Marks Distribution



■ K1 ■ K2 ■ K3 ■ K4 ■ K5 ■ K6

Course Outcome Wise Marks Distribution



Branch CS &IT

Subject Name Big Data Analytics

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- K2 : Understanding
- K3 : Applying
- K4 : Analysing
- K5 : Evaluating
- K6 : Creating

END TERM EXAMINATION
School of Engineering & IT

Program MCA

Semester 4TH

Year 2023/ Even

Section A (Each question Carry 02 Marks from Q1-i to Q1-x) – 20 Marks

Q. N 1	QUESTIONS	Marks	COs	KL	PO
i	What is Data Source?	2	CO2	K1	PO1
ii	What is Map Reduce?	2	CO5	K2	PO5
iii	Describe about Reducer.	2	CO3	K1	PO2
iv	What is Outlier detection?	2	CO3	K6	PO7
v	What is Mapper?	2	CO5	K1	PO2
vi	What is Data analytics?	2	CO1	K2	PO3
vii	What are the services of cloud?	2	CO4	K4	PO2
viii	What is Predictive analysis?	2	CO2	K1	PO3
ix	What are the components of Hadoop?	2	CO5	K1	PO5
x	What is distributed Computing?	2	CO1	K1	PO2

Section B (Answer any FOUR out of SIX) - 20 Marks

(Each question Carry 5 Marks)

Q. No.	QUESTIONS	Marks	COs	KL	PO
2	Explain the file system operation in HDFS?	5	CO5	K6	PO7
3	How cloud computing and big data technology is related?	5	CO3	K1	PO2
4	How to run a Job in local Job Runner?	5	CO1	K2	PO3
5	Explain the concept of Mobile business Intelligence and big data.	5	CO5	K4	PO2
6	Explain the different types of algorithms of Map Reduce.	5	CO4	K4	PO2
7	Explain the concept of Hadoop Distributed File System.	5	CO2	K1	PO3

Section C (Answer any THREE out of FIVE) - 30 Marks-

(Each question Carry 10 Marks)

Q. No.	QUESTIONS	Marks	COs	KL	PO
8	Explain about the cloud computing. Also explain the different types of cloud services with its diagram.	10	CO5	K1	PO2
9	Briefly describe the history of Hadoop also explain the concept of Hadoop ecosystem with its components and architecture	10	CO4	K4	PO2
10	How we can identify and treat the missing and outlier values in a dataset.	10	CO5	K1	PO3
11	How to analyze the data using Unix Tool and Hadoop?	10	CO3	K1	PO2
12	Explain the concept of RDBMS, Grid computing and Volunteer computing.	10	CO2	K1	PO3