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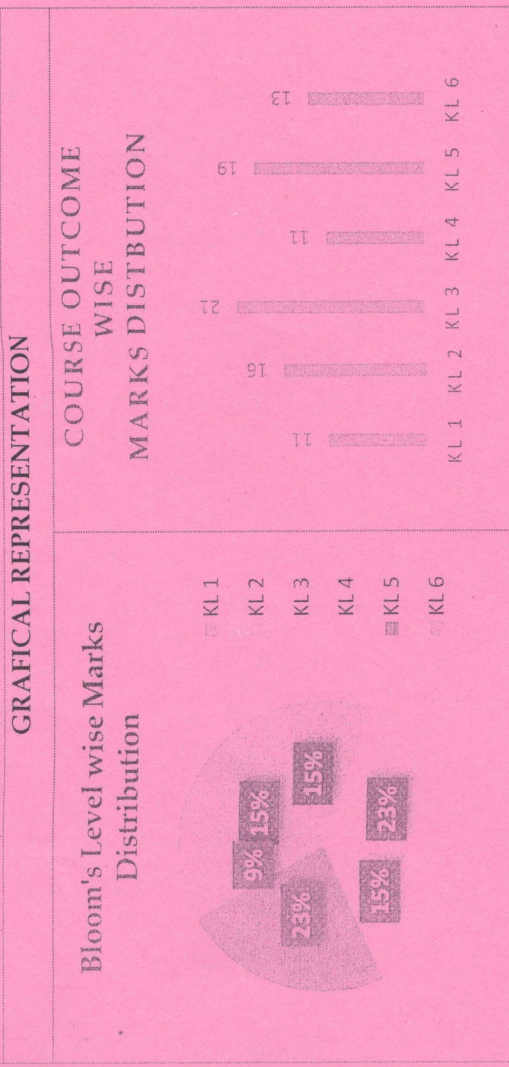
<b>Program</b>	Master of Computer Application	
<b>Subject Name</b>	Mobile Application Programming	Semester Year IV April 2024
<b>Time: 3 Hour</b> <b>Max. Marks : 70</b>	<ul style="list-style-type: none"> <li>Start writing from 2nd page onwards; don't Write on the 1st Page Backside</li> <li>Answer all Questions of Section A (Compulsory)</li> <li>Answer Any Four out of Six of Section B</li> <li>Answer Any Three out of Five of Section C</li> <li>Possession of <u>Mobile Phones</u> or any kind of <u>Written Material, Arguments with the Invigilator or Discussing with Co-Student</u> will come under <u>Unfair Means</u> and will <u>Result</u> in the <u>Cancellation of the Papers.</u></li> </ul>	

<b>Knowledge Level (KL)</b>	K1 : Remembering K2 : Understanding	K3 : Applying K4 : Analysing	K5 : Evaluating K6 : Creating
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Section A (Each question Carry 02 Marks from Q1-i to x) – 20 Marks		QUESTIONS	Marks	COs	KL	PO
Q. N 1						
i	What is android view group?		2	CO1	K1	PO1
ii	What is android?		2	CO2	K2	PO2
iii	What is Manifest.xml in android?		2	CO2	K4	PO5
iv	What is layout?		2	CO4	K5	PO6
v	What is splash screen in android?		2	CO3	K3	PO4
vi	What is the library of Map View in android?		2	CO2	K3	PO3
vii	How many broadcast receivers are available on android?		2	CO3	K2	PO2
viii	What is an activity 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

CO 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



**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	*With a neat diagram, show the major components of the Android stack.	5	CO4	KL1	PO5
4	What is RecyclerView? Explain the components of RecyclerView.	5	CO2	KL2	PO6
5	What is an APK File? How do you prepare the app for release?	5	CO1	KL4	PO7
6	Define Transactions. Explain ACID properties	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	Define Permissions. Explain how to request permissions. How do you grant and revoke permissions?	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	What is a Service? How do you implement the Started Service and Bound Service? Explain.	10	CO6	KL2	PO3
12	What is a Loader? Explain its characteristics. Explain Loader architecture with a neat diagram.	10	CO6	KL5	PO5

Program	Master of Computer Application	
Subject Name	Big data Analytics	
	Semester	IV
	Year	April 2024

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 • Answer all Questions of Section A (Compulsory)  
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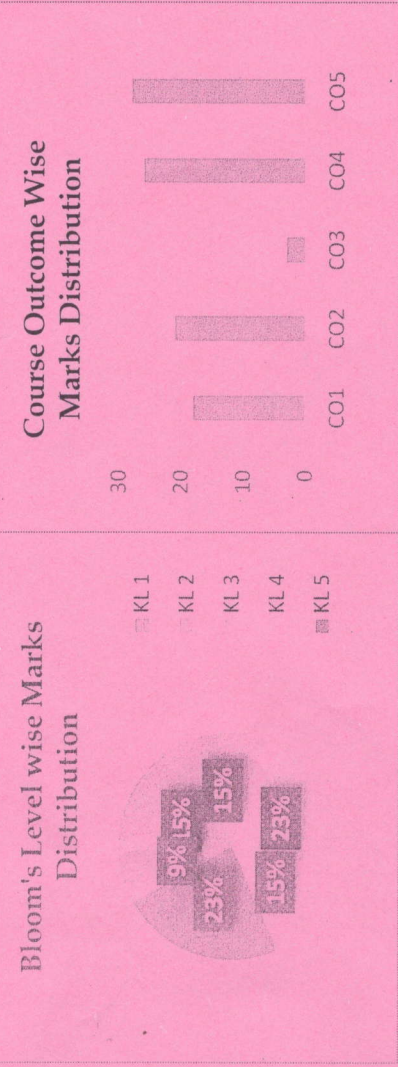
Knowledge Level (KL)	K1 : Remembering	K3 : Applying	K5 : Evaluating
	K2 : Understanding	K4 : Analysing	K6 : Creating

Section A (Each question Carry 02 Marks from Q1-i to x) – 20 Marks			
Q. N1	QUESTIONS	Marks	COs
i	What is Big Data?	2	CO1
ii	Explain about Sampling?	2	CO5
iii	What is Mapper?	2	CO4
iv	What are the services of cloud?	2	CO3
v	What is Predictive analysis?	2	CO2
vi	What is the full form of HDFS?	2	CO5
vii	What is Grid Computing?	2	CO1
viii	What are the components of Hadoop?	2	CO5
ix	What is crowd sourcing analytics?	2	CO4
x	What is Yarn?	2	CO4

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	Experiment with various datasets for analysis and visualization.

**GRAFICAL REPRESENTATION**



**Section B (Answer any FOUR out of SIX) – 20 Marks**  
(Each question Carry 5 Marks)

No.	QUESTIONS	Marks	COs	KL
2	What is Coherency model?	5	CO4	K6
3	Explain the concept of Big Data Analytics with the help of applications.	5	CO5	K5
4	Explain the concept of Hadoop Distributed File System.	5	CO3	K2
5	Explain about Generic Options parser.	5	CO1	K3
6	Explain about the cloud computing. Also explain the different types of cloud services with its diagram.	5	CO2	K6
7	What are the different type of Big data Analytics?	5	CO1	K5

**Section C (Answer any THREE out of FIVE) – 30 Marks**  
(Each question Carry 10 Marks)

No.	QUESTIONS	Marks	COs	KL
8	Briefly describe the history of Hadoop. Explain the concept of Hadoop ecosystem with its components and architecture.	10	CO4	K6
9	Explain about the different sources of data in detail.	10	CO2	K4
10	Briefly explain the big data analytics technologies and tools.	10	CO3	K3
11	Explain the Big data analytics lifecycle phases.	10	CO1	K1
12	Explain the different types of algorithms of Map Reduce.	10	CO3	K3