

	ARKA JAIN University Jharkhand		[06-05-2025] END SEM EXAMINATION School of Engineering & IT
Program	Master of Computer Application		
Subject Name	Mobile Application Programming	Session	Even, 2024-2025
Semester	IV	Year	May, 2025
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 • Possession of Mobile Phone or any kind of Written Material, Arguments with the Invigilator or Discussion with Co-Student will comes under <u>Unfair Means</u> and will <u>Result in the Cancellation of the Paper(s)</u> .		
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. N	QUESTIONS	Marks	KL
1			
i	What is the Android?	02	KL1
ii	Explain the four main components of Android.	02	KL2
iii	Describe the purpose of the Android SDK.	02	KL2
iv	Explain the role of AndroidManifest.xml in an Android application.	02	KL3
v	Explain the term "views" in Android.	02	KL1
vi	What is the role of Content Providers in Android applications?	02	KL4
vii	What types of services exist?	02	KL5
viii	What is the function of Intents in Android?	02	KL1
ix	List types of layouts available in Android.	02	KL3
x	What is the Activity class in Android?	02	KL6

Section B (Answer any FOUR out of SIX) – 20 Marks
(Each question Carry 05 Marks)

Q. No.	QUESTIONS	Marks	COs	KL
2	Explain the architecture and layers of the Android platform.	05	CO2	KL1
3	Write a step-by-step process to create a simple Android application.	05	CO1	KL3
4	How does an activity work in Android? Describe its lifecycle with a neat diagram.	05	CO3	KL4
5	Write a brief note on persisting data using SQLite in Android.	05	CO4	KL2
6	Describe the process of sending SMS from an Android app.	05	CO5	KL5
7	Explain the role of Location Manager and Location Provider in Android.	05	CO6	KL6

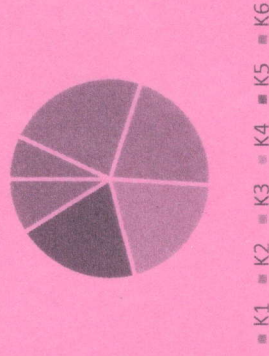
Section C (Answer any THREE out of FIVE) – 30 Marks
(Each question Carry 10 Marks)

Q. No.	QUESTIONS	Marks	COs	KL
8	Explain the architecture of the Android platform. Describe each layer and its role in application development.	10	CO2	KL1
9	Discuss the four main Android components Activity, Service, Broadcast Receiver, and Content Provider in detail with real-world examples.	10	CO3	KL3
10	Describe the use of services in Android applications. Also explain its lifecycle and its types.	10	CO5	KL5
11	Explain how to store and retrieve data in Android using Shared Preferences, the file system, and SQLite. Provide code examples.	10	CO6	KL6
12	What are Intents in Android? Differentiate between implicit and explicit intents with examples. How are they used to start activities and services?	10	CO4	KL4

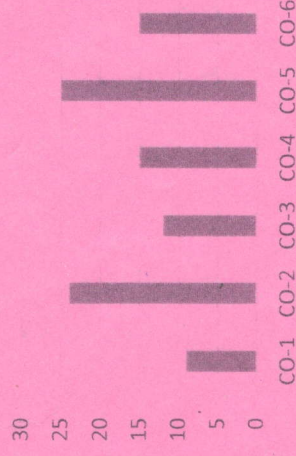
CO1	Create mobile applications using Google & Android open-source platform
CO2	Apply advanced android development techniques
CO3	Can work with GPS, wi-fi
CO4	Create animations with android's graphics API
CO5	Can understand Android database connectivity using SQLite
CO6	Can understand SQLite Programming

GRAPHICAL REPRESENTATION

Bloom's level wise Marks Distribution



Course Outcome wise Marks Distribution



	ARKA JAIN University Jharkhand	[08-05-2025] END SEM EXAMINATION School of Engineering & IT
Program	Master of Computer Application	
Subject Name	Big Data Analytics	Session Even, 2024-2025
Semester	IV	Year May, 2025*
• Start writing from 2nd page onwards; <u>don't Write on the 1st Page Backside</u> • 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 • Possession of Mobile Phone or any kind of Written Material, Arguments with the Invigilator or Discussion with Co-Student will comes under <u>Unfair Means</u> and will <u>Result</u> in the <u>Cancellation of the Paper(s)</u> .		
Knowledge Level (KL)	K1 : Remembering	K5 : Evaluating
	K2 : Understanding	K6 : Creating
K3 : Applying	K4 : Analysing	

Time: 3 Hour
Max. Marks : 70

Section A (Each question Carry 02 Marks from Q1-i to x – 20 Marks)				
Q. N	QUESTIONS	Marks	COs	KL
1				
i	What are the components of Hadoop?	02	CO1	K1
ii	What is distributed Computing?	02	CO5	K2
iii	What is Data Source?	02	CO4	K5
iv	What is Outlier detection?	02	CO3	K3
v	What is crowd sourcing analytics?	02	CO2	K5
vi	What is Yarn?	02	CO5	K5
vii	What is the full form of HDFS?	02	CO1	K2
viii	What is Map Reduce?	02	CO5	K4
ix	What is Grid Computing?	02	CO4	K2
x	What is Mapper?	02	CO4	K5

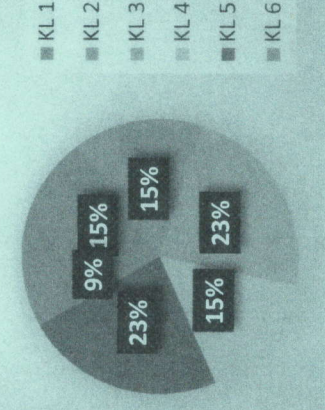
Section B (Answer any FOUR out of SIX) – 20 Marks (Each question Carry 05 Marks)				
Q. No.	QUESTIONS	Marks	COs	KL
2	What are the different activities performed on BigData?	05	CO4	K6
3	Explain the file system operation in HDFS?	05	CO5	K5
4	Explain the concept of Hadoop Distributed File System.	05	CO3	K2
5	Explain the architecture and component of Yarn.	05	CO1	K3
6	Briefly explain the big data analytics technologies and tools.	05	CO2	K6
7	How cloud computing and big data technology is related?	05	CO1	K5
Section C (Answer any THREE out of FIVE) – 30 Marks (Each question Carry 10 Marks)				
Q. 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	What are the different classifications of Big data Analytics?	10	CO3	K3
11	Explain the Big data analytics lifecycle phases.	10	CO1	K1
12	What are the key characteristics of Big Data?	10	CO3	K3

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

Course Outcomes	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.

GRAPHICAL REPRESENTATION

Bloom's Level wise Marks Distribution



Course Outcome Wise Marks Distribution

