

ABV-INDIAN INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT GWALIOR

Mobile Application Technology (Major Exam)

Semester – II (IMT, IMG) Faculty: Dr. P. K. Singya

Date: 30/04/2024 Time: 2 PM-5 PM

Total Marks: 30

Instructions:

method.

development.

1. 2. 3.	To doubts will be and	am.			
	on the first page	of your a	inswer sheet.		
Q1. W	hich of the following is true about the Androi	13.4°	1.51.0		
a.	Defines the structure of the app's user interface	dManiie	st.xml file?	[1]	
b.	Contains configuration information for the app	C.	Stores data used by the app	_	
O2. W	hat is the pure season information for the app	d.	Manages resources used by the ap	p	
Q2. What is the purpose of the onCreate() method in an Android activity?					
a.	To initialize activity components	c.	To display the activity's layout		
b.	To handle user interactions	d.	To save the activity's state		
Q3. Which component is responsible for managing the navigation flow between different					
	s in an Android app?				
a.	Activity	c.	Intent		
b.	Fragment have been been a	d.	Layout		
Q4. Which folder in the Android project structure contains all the layout files for the app's [1]					
user in	terface?				
a.	Drawable	c.	Layout		
b.	Values	d.	Res		
Q5. What is the purpose of the onResume() method in the Android activity lifecycle?				[1]	
a.	To initialize the activity's layout	c.	To save the activity's state.	(-1	
b.	To perform operations when the activity	d.	To release resources used by the		
	becomes visible.		activity.		
	Q6. Explain the concept of inheritance in Java and how it is used in Android development.				
Q7. What is polymorphism in Java? Explain run time and compile time polymorphism.				[2]	
Q8. Describe the lifecycle of an Android activity and explain the purpose of each lifecycle				[-]	
ζφ. D	escribe the inecycle of all Android activity and	vapiain	the purpose of each lifecycle	[2]	

Q9. What are fragments in Android? Discuss their advantages and when to use them in app

differs from the onCreate() method of an activity.	[2]
211. How to create a virtual device in Android Studio. Discuss the advantages and limitations of using virtual devices. Explain how to connect physical devices for testing	[2]
applications in Android Studio.	
Q12. How do you handle user input validation in Android applications? Explain the error	[2]
handling method for any mathematical calculation.	
Q13. What is a constructor in Java? Explain different types of constructors and how they are	e [2]
used in Android development.	
Q14. How many ways can methods be attached to a button and write its pseudo code?	[2]
Q15. What is an Intent, and why do we need it? Write its pseudo code.	[2]
Q16. What is the OOPs concept, and how does it make coding simpler? Discuss the main	[2]
principles of the OOPs with examples.	
Q17. Explain different types of layouts in Android. How is linear layout different from the	[3]
relative layout?	