

**IMSc CSF (NEP) Sem.2 Examination
DSC-M-ICSF-123 T- EA
Fundamentals of Mobile OS-Android**

Time : 1-00 Hours]

May-2025

[Max. Marks : 25

Question 1 Answer the following questions:

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|---|--------|
| i. What is Android Operating System? | 5Marks |
| ii. Explain the Architecture of Android Operating System. | 5Marks |
| OR | |
| i. What are the features of Android operating System. | 5Marks |
| ii. Difference between Android operating system and IOS operating system. | 5Marks |

Question 2 Answer the following questions:

- | | |
|---|--------|
| i. What are AnTuTu and Geekbench and how do they work? | 5Marks |
| ii. What are Activity Lifecycle in Android operating system. | 5Marks |
| OR | |
| i. Explain Mobile Processors in Android operating system. | 5Marks |
| ii. Explain OWASP Mobile Top 5 Risks in Android operating system. | 5Marks |

Questions 3: Attempt any Five out of Six.**05 Marks**

1. Which language is primarily used for Android app development?
2. What is the official integrated development environment (IDE) for Android development?
3. Which Android component is used for background tasks?
4. What is the use of RecyclerView in Android?
5. What was the first version of Android?
6. Which Android version was the first to drop support for 32-bit apps?

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Candidate's Seat No: _____

I MSc CSF (NEP) Sem.2 Examination

DSC-M-ICSF-123 T- EB

Fundamentals of Mobile OS - JOS

Time : 1-00 Hours]

May-2025

[Max. Marks : 25

Question 1 Answer the following questions:

- i. Difference between IOS 16 and IOS 17. 5Marks
- ii. Explain the Architecture of IOS 5Marks

OR

- i. What are the features of iOS operating System. 5Marks
- ii. Explain the advantages and disadvantages of IOS Operating System. 5Marks

Question 2 Answer the following questions:

- i. What are the security and privacy features of Apple iOS? 5Marks
- ii. Write a program to do addition, subtraction, multiplication and division of two variables. 5Marks

OR

- i. Explain different Data Types in Swift Programming 5Marks
- ii. Explain any three-string function in Swift Programming. 5Marks

Questions 3: Attempt any Five out of Six.

05 Marks

- 1. Which operator is used to concatenate strings in Swift?
A. \ B. % C. / D. div
- 2. What type will variable c hold after this Swift operation: `var c = 5 + 2 * 3`?
- 3. What symbol is used to write a single-line comment in Swift?
- 4. How do you declare a constant in Swift?
- 5. Which method is used to convert a string to uppercase in Swift?
- 6. Which operator is used to concatenate strings in Swift?

.....X.....X.....