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**Presidency University**

**Bengaluru**

**School Of Computer Science and Engineering & Information Science**

**End-Term Examinations, Aug 2024**

**Date**: 06/08/2024

**Time**: 01.00pm to 04.00pm

**Max Marks**: 100

**Weightage**: 50%

**Odd Semester**: 2023 - 24

**Course Code**: CSE3066

**Course Name**: Mobile Application for IoT

**Department:** CIT

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| **Q.No** | **Scheme of Evaluation** | **Marks** | **CO** | **RBT** |
| 1 | 1. 4 features of Android OS - 4 marks | 4 | CO1 | L1 |
| 1. 4 challenges and adequate explanations - 6 marks | 6 | CO1 | L1 |
| 1. Definition – 2 marks   Architectural Diagram – 3 marks  Explanation – 5 marks | 10 | CO1 | L1 |
| OR | | | | |
| 2 | 1. 2 tools and one line explanation – 4 marks | 4 | CO1 | L1 |
| 1. Comparison table with 4 points – 6 marks | 6 | CO1 | L2 |
| 1. Explanation for Android Application – 5 marks   Explanation for Android Kernel – 5 marks | 10 | CO1 | L2 |

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| 3 | 1. 4 attributes with one line explanation – 4 marks | 4 | CO2 | L2 |
| 1. Explanation for Fragments – 2 marks   Explanation for Types – 2 marks  Explanation for Life Cycle – 2 marks | 6 | CO2 | L2 |
| 1. Code snippet – 4 marks   Explanation for attributes – 6 marks | 10 | CO2 | L3 |

OR

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| 4 | 1. Comparison table with 4 points – 4 marks | 4 | CO2 | L2 |
| 1. 4 attributes with adequate explanation – 6 marks | 6 | CO2 | L2 |
| 1. 10 layout attributes with adequate explanation – 10 marks | 10 | CO2 | L2 |

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| 5 | 1. 4 characteristics – 4 marks | 4 | CO3 | L1 |
| 1. 4 limitations with 1 line explanation – 6 marks | 6 | CO3 | L2 |
| 1. Architecture diagram – 3 marks   Architectural diagram explanation – 2 marks  Uses of sensor nodes – 5 marks | 10 | CO3 | L2 |

OR

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| 6 | 1. Proper definition – 4 marks | 4 | CO3 | L1 |
| 1. Explanation about multi sensor system – 4 marks   Advantages – 2 marks | 6 | CO3 | L2 |
| 1. Layer diagram of sensor nodes – 4 marks   Explanations for each layer – 6 marks | 10 | CO3 | L2 |

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| 7 | 1. 4 advantages – 4 marks | 4 | CO4 | L1 |
| 1. Comparison table with 4 points – 6 marks | 6 | CO4 | L2 |
| 1. Explanation for NFC – 5 marks   Explanation for ZigBee – 5 marks | 10 | CO4 | L2 |

OR

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| 8 | 1. Define DDS – 2 marks   Stating the need of DDS – 2 marks | 4 | CO4 | L1 |
| 1. AMQP Architectural diagram – 2 marks   AMQP Explanation – 4 marks | 6 | CO4 | L2 |
| 1. Explanation for MQTT – 5 marks   Explanation for CoAP – 5 marks | 10 | CO4 | L2 |

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| 9 | 1. Expansion and Explanation for OHA – 4 marks | 4 | CO1 | L1 |
| 1. Definition – 2 marks   Types – 4 marks | 6 | CO1 | L2 |
| 1. Diagram – 4 marks   Explanation about activity life cycle – 6 marks | 10 | CO1 | L2 |

OR

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| 10 | 1. 4 requirements – 4 marks | 4 | CO2 | L1 |
| 1. 4 storage options and explanation – 6 marks | 6 | CO2 | L2 |
| 1. Define event management – 2 marks   Need of event management – 2 marks  Adequate explanation – 6 marks | 10 | CO2 | L3 |