

(3 Hours)

Total Marks: 80

N.B.: (1) Question No.1 is compulsory.

(2) Attempt any three questions from the remaining five questions.

(3) Make suitable assumptions wherever necessary but justify your assumptions.

Q1 Solve any Four out of Six

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|--|---|
| A) Explain Objects and identifiers in IoT | 5 |
| B) Explain in brief various types of RFID | 5 |
| C) Write short note on CoAP. | 5 |
| D) Explain IPv6 format in wireless networks. | 5 |
| E) Write a note on CHEF. | 5 |
| F) Discuss Slotted ALOHA. | 5 |

Q2

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|--|----|
| A) Explain the various technologies used in IoT in detail. | 10 |
| B) Explain RFID Architecture in detail | 10 |

Q3

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|---|----|
| A) Explain the RFID middleware concept in detail. | 10 |
| B) Explain the concept of FORA and REST | 10 |

Q4

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|---|----|
| A) Explain the concept of localization and handover management for mobile networks. | 10 |
| B) Differentiate between Program I/O and I/O mapped I/O | 10 |

Q5

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| A) Explain the concept of Apache Oozie and Apache Storm. | 10 |
| B) Explain working of framed MAC protocol-GMAC. | 10 |

Q6

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| A) Explain the concept of Puppet along with its case study | 10 |
| B) Discuss design and working of mobile IP. | 10 |