Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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|  |  |  |  |
| **Code :** | **14CS2065** | **Duration :** | **3hrs** |
| **Sub. Name :** | **STORAGE AREA NETWORK** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

|  |  |  |  |  |
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| **Q. No.** |  | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | A multinational company with 5 office locations and 700 employees needs a reliable, fast performance access to large block of their project record stored as large objects. As a storage engineer, suggest a suitable storage infrastructure and explain the architecture with the merits and demerits. | CO1 | 20 |
| **(OR)** | | | | |
| 2. |  | Explain the paradigm shift that changes information processing towards better cost and access. | CO1 | 20 |
|  |  |  |  |  |
| 3. |  | Discuss the various generation of computing architectures that overcame the barriers in digitizing the data. | CO1 | 20 |
| **(OR)** | | | | |
| 4. |  | Elaborate on storage networking architecture and its various network components with relevant sketches. | CO2 | 20 |
|  |  |  |  |  |
| 5. |  | Elucidate the transformations that occur in the movement of data between applications and storage media with necessary diagrams. | CO2 | 20 |
| **(OR)** | | | | |
| 6. |  | Explain the resilience, performance and flexibility of the volume manager data availability tool. | CO3 | 20 |
|  |  |  |  |  |
| 7. |  | Explain the different modes of Replication, its benefits and applications with neat diagrams. | CO3 | 20 |
| **(OR)** | | | | |
| 8. |  | Discuss enterprise backup architecture and its policies with relevant examples and neat sketches. | CO3 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Discuss the SAN management and an ideal SAN management environment for quality online storage service required by users and developers. | CO3 | 20 |