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

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**End Semester Examination – Nov/Dec – 2018**

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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.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Compare and contrast the architectures of DAS, NAS and SAN. | CO1 | 10 |
| b. | Elaborate how SAN paradigm shift impacts the information processing and helps to achieve better performance in information processing architecture. | CO1 | 10 |
| (OR) | | | | |
| 2. |  | Discuss the history of enterprise information processing architectures concentrating on technology such as Interactivity, Responsiveness and Adaptability. | CO1 | 20 |
|  |  |  |  |  |
| 3. |  | Explain in detail any one of the killer app for SAN with necessary diagrams. | CO1 | 20 |
| (OR) | | | | |
| 4. |  | Discuss the computer system components which implements the transformations that occur in the movement of data between application and storage media. | CO2 | 20 |
|  |  |  |  |  |
| 5. | a. | Elaborate on the research and development in making a SAN storage perform. | CO2 | 10 |
| b. | Explain the fibre Channel topologies involved in a SAN. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Explain the two main techniques for improving disk access speed for I/O intensive applications. | CO3 | 10 |
| b. | A file system can contribute substantially to application performance, as well as its flexibility and manageability, in a highly connected SAN environment. Justify. | CO2 | 10 |
|  |  |  |  |  |
| 7. |  | Discuss how clustering can solve the morden enterprise computing problems such as continuous service, application performance growth and quality of application. | CO2 | 20 |
| (OR) | | | | |
| 8. |  | Elaborate the different forms of backup and illustrate how full and incremental backup can reduce the time required to back up online data. | CO2 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Discuss about the SAN management and quality of online storage service required by users and developers for enterprise data storage. | CO3 | 20 |