

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019

Course Code: IT 482

Course Name: Information Storage Management

Max. Marks: 100

Duration: 3 Hours

PART A

Answer any two full questions, each carries 15 marks.

- | | | Marks |
|---|--|-------|
| 1 | (a) Which are the components of a disk drive? Explain. | (10) |
| | (b) Write a short note on Compute Virtualization. | (5) |
| 2 | (a) Explain the components of an intelligent storage system? | (15) |
| 3 | (a) Illustrate information life cycle | (6) |
| | (b) Explain RAID 0, RAID 1 and RAID 5? | (9) |

PART B

Answer any two full questions, each carries 15 marks.

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|---|--|-----|
| 4 | a) Explain the Zoning in FC Architecture. | (8) |
| | b) Explain FCoE | (7) |
| 5 | a) What is CAS? What are the salient features of CAS? | 5 |
| | b) Explain with a neat diagram how data object can be stored to and retrieved from CAS system. | 10 |
| 6 | a) Describe Fiber channel protocol stack | (6) |
| | b) Explain any three NAS implementation methods. | (9) |

PART C

Answer any two full questions, each carries 20 marks.

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|---|--|-------|
| 7 | a) What are the purposes of backup? | (3) |
| | b) Explain backup methods? | (4) |
| | c) Describe backup architecture with a neat diagram. | (13) |
| 8 | (a) What are the components that are monitored within the storage environment for accessibility, capacity, performance and security? | (6) |
| | (b) Draw and explain SAN security architecture. | (10) |
| | (c) “Monitoring and managing today’s complex storage infrastructure environment has become very challenging “Justify. | (4) |
| 9 | (a) Explain most commonly used Backup Targets. | (12) |
| | b) What are the important steps to secure application access domain? | (8) |
