JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B.Tech-9th Semester (CSE/IT)

COURSE CODE (CREDITS): 18B1WCI736 MAX. MARKS: 15

COURSE NAME: STORAGE NETWORKS

COURSE INSTRUCTORS: Dr Pankaj Dhiman MAX. TIME: 1 Hour

Note: *(a) All questions are compulsory.*

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

(c) Use of calculator is not allowed

Q.No	Question	CO	Marks
Q1	Why SAN is generally considered more suitable than DAS for large-scale enterprise environments requiring centralized storage management?	1	3
Q2	How does storage virtualization simplify the management of heterogeneous storage resources in an enterprise environment?	2	3
Q3	What are the limitations of hot sparing in terms of rebuild time, performance degradation, and exposure to additional disk failures?	2	3
Q4	How does data proliferation affect storage capacity planning and resource allocation in large-scale enterprise environments?	1	3
Q5	What are the major scalability limitations of DAS, and how do NAS and SAN architectures overcome these limitations?	1	3

JUIT TEST-1 EXAMINATION AUG-2026

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