

**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2020 ONLY)**

20 UBC 5E3

REG.NO. :

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : DECEMBER-2022**

COURSE NAME: B.C.A

MAXIMUM MARKS: 70

SEMESTER: V

TIME : 3 HOURS

**PART - III
STORAGE MANAGEMENT**

SECTION - A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Which protocols are used for storage management?
a) SNMP b) LDAP c) POP3 d) TCP/IP
2. Which prefix length defines the class addressing?
a) Net Id b) Host Id c) Mask d) Header
3. In SAN storage model, the operating system view storage resources as which device?
a) FC b) SAN c) SCSI d) SAN/FC
4. NAS solution is the most appropriate for the type of data _____.
a) secured access b) shared access c) remote access d) parallel access
5. Which of the following is Backup software?
a) Amanda b) Bacula c) IBM Tivoli storage manager d) All of the above

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Explain Data Center Infrastructure.
7. Define Storage Disk Drive Components.
8. Contrast Front End and Back End.
9. Briefly explain the types of Archives
10. Explain Virtual Tape Library.

SECTION – B

(5 X 4 = 20 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Examine in detail about data in information storage management.

(OR)

- b) Describe Information Life Cycle Management.

12. a) List the various logical components of the host.

(OR)

- b) Interpret the Hardware RA/D-RA/D.

(CONTD.....2)

- 13 a) Examine Midrange Storage System.
(OR)
b) Interpret the Storage Area Networks (SANs) Management software.
- 14.a) Describe Network-Attached Storage (NAS) implementation.
(OR)
b) List the features and benefits of CAS. (Content Addressed Storage)
- 15.a) Compare the different forms of virtualization.
i)Memory virtualization
ii) Network virtualization
(OR)
b) List the steps involved in Backup and Restore Operations.

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS****(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No : 17 to 21) (K4 (Or) K5)**

16. Examine the storage technology and architecture.
17. Interpret the key challenges in managing information.
18. Analyse in detail about the various logical components of the host with suitable sketch.
19. Evaluate Fiber Channel Architecture.
20. Outline the benefits of NAS.
21. Evaluate SNIA's storage virtualization Taxonomy.
