Reg. No.: | | | | | | | | |

G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.

UG DEGREE END SEMESTER EXAMINATIONS - APRIL 2025.

(For those admitted in June 2021 and later)

PROGRAMME AND BRANCH: B.C.A.

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
VI	PART - IV	SEC	U21CA6S2	BA-SH- OPEN SOURCE SOFTWARE

Date & Session: 05.05.2025 / FN **Time: 2 hours** **Maximum: 50 Marks**

Bloom's K-level	Q. No.	SECTION – A (5 X 10= 50 Marks) Answer ALL Questions choosing either (a) or (b).
K3	1.	Can you explain what a file system is and how file permissions work? **(OR)** Write a simple Bash script that outputs "Hello, World!" to the terminal. Explain the purpose of each line of the script.
K4	2.	Explain how Bash handles arithmetic operations. Provide an example script that uses Bash arithmetic operators. **(OR)** Define what a variable is in Bash and how it is declared.
K5	3.	Explain the 'if-else' statement and describe how it works in Bash with an example. **(OR)** Explain the difference between the "while" loop and the "for" loop in Bash. Provide examples of when each should be used.
K3	4.	What is a for loop, and how does a Bash script that uses a for loop print the numbers from 20 through 50. **(OR)** How do you declare and initialize an array in Bash?
K4	5.	What are the advantages and disadvantages of using a while loop versus a for loop when reading a file in Bash? **(OR)** Compare relative and absolute paths in Bash. Explain their importance in managing file paths within scripts.

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