

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

ASSIGNMENT 2: – Practical Implementation of Nmap Scripts

Course: ETHICAL HACKING

Sem / Sec: III / A, B, C

Release Date: 10.12.2025

Course code: 24MCA332

Max. marks: 7.5

Due Date: 16-12-2025

Select any authorized example target, such as a lab VM or a server that is legally permitted for scanning

Q#	Question	RBT Level	COs	POs & PSOs	Marks
1	Identify the open TCP ports on the given target using appropriate Nmap port-scanning options.	L1	CO3	PO1, PO4, PSO2	2
2	Examine the services and service versions running on the discovered open ports using Nmap service detection techniques.	L2	CO3	PO1, PO4, PSO2	2
3	Use the Nmap scan results to summarize the target's network exposure based on open ports, running services, and operating system information	L3	CO4	PO1, PO4, PSO2	2.5
4	Determine the operating system running on the target by applying Nmap OS detection options, and justify your result based on the scan output.	L4	CO4	PO1, PO4, PSO2	2