QUIZ

Digital Forensic Workshop (CSE 3156)

Programme: B.Tech. (CSE Cyber Security)

Full marks: __ Date: 04/10/2024 Semester: 5^{th} Time: $\frac{1}{4}$ hours Ouiz No.: 1

- 1. Which feature distinguishes dc3dd from dd?
 - (a) dc3dd can only copy files, while dd can clone disks
 - (b) dc3dd provides error correction and hashing capabilities, while dd does not
- (c) dc3dd has a graphical interface, while dd is command-line based
- (d) dc3dd is slower than dd
- 2. What is the primary purpose of the dd command in Unix/Linux systems?
 - (a) Network troubleshooting

- (c) Creating user accounts
- (b) Disk cloning and data conversion
- (d) Monitoring system performance
- 3. What command is used to specify the configuration file when running Scalpel?
 - (a) scalpel -c <config_file>

(c) scalpel -o <output_directory>

(b) scalpel -f <config_file>

- (d) scalpel -config <config_file>
- 4. Which command option in Scalpel is used to define the output directory for recovered files?
 - (a) -d <output_directory>

(c) -r <output_directory>

(b) -o <output_directory>

- (d) -output <output_directory>
- 5. Which command option in Foremost specifies the maximum size of the output files created during recovery?
 - (a) -m < size >

(c) -1 < size >

(b) -s < size >

- (d) -max-size <size>
- 6. What does the -i option in Foremost specify?
 - (a) The input file or disk image to be analyzed
- (c) The number of threads to use during recovery
- (b) The output format of the recovered files
- (d) The log file to record recovery progress
- 7. What will be the output of below code snippet:

(a) 128 bit hash of the specified file

(c) 256 bit hash of the specified file

(b) syntax error

- (d) no output without syntax error
- 8. Why is a hash check required when downloading a malware-affected memory dump file?
 - A. To prevent corruption during download and ensure the file is intact.
 - B. To verify that the downloaded file contains malware.
 - C. To ensure that the memory dump file is not modified or tampered with.
 - D. To confirm the file's integrity, authenticity, and prevent any manipulation.
 - E. To check if the malware is removed from the file.

(d) B and D

(e) None of the above

(a) Only A

(b) Only B

(c) Both A and C