**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, APRIL 2023**

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|  | **2BC4133** | Roll No. | Total Printed Pages: 2 |
| **2BC4133** |  |
| BCA II Year IV-Semester (Main/Back) End Semester Examination, April 2023  **(CS)** | |
| **BCYCCA4103 : Cyber Forensics** | | | |

# Time: **3** Hours. Total Marks: **60**

Min. Passing Marks: **21**

*Attempt* ***five*** *questions selecting one question from each Unit. There is internal choice from Unit I to Unit V. Marks of each question or its parts are indicated against each question / parts. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.*

Use of following supporting material is permitted during examination for this subject.

# **1.--------------------------Nil--------------------** **2.------------------Nil-----------------------**

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|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | Define the term of Cyber Forensic. Explain the type of digital forensic. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | State the techniques that cyber forensic investigatorsuses | **(6)** | Analyze |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.2** | **(a)** | Describe the Forms of cybercrime. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | Describe the working process of forensic department | **(6)** | Analyze |
|  |  |  |  |  |
|  |  | **UNIT-II (CO2)** |  |  |
|  |  |  |  |  |
| **Q.3** | **(a)** | Difference between magnetic medium and non-magnetic medium. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | State the working process of Flash drive with diagram. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | Short note on platter. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | Short note on spindle motor. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  |  | **UNIT-III (CO3)** |  |  |
|  |  |  |  |  |
| **Q.5** | **(a)** | What do you mean by the windows forensic? Define the things of analysis in windows forensic. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | Why storage of system will play an important role in terms of Forensic analysis? | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.6** | **(a)** | Why are the techniques followed for the analysis in Forensic investigation of any crime area? | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | Justify the term of Steganography in forensics. How it is important in area of cyber. Describe with their specific tool apply on it. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  |  | **UNIT-IV (CO4)** |  |  |
|  |  |  |  |  |
| **Q.7** | **(a)** | Describe the term of cryptography. How data will travel in network. Define any 4 software tools that perform brute-force attack. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | Short note on dictionary attack. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.8** | **(a)** | Suppose your company have in problem regarding the unauthorized mail issues purpose of third party attack (MIMA). What type of forensic should be apply on this scenario. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | What is a virtual desktop? What are the file permissions in Linux? | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  |  | **UNIT V (CO5)** |  |  |
|  |  |  |  |  |
| **Q.9** | **(a)** | Why was the Information Technology Amendment Act created? | **(6)** |  |
|  |  |  |  |  |
|  | **(b)** | How has the Information Technology Amendment Act been updated? | **(6)** |  |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.10** | **(a)** | Who does the Information Technology Amendment Act apply to? | **(6)** |  |
|  |  |  |  |  |
|  | **(b)** | Describe cyber law act 2008 article 66F. | **(6)** |  |