**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

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|  | **3BC5105** | Roll No. | Total Printed Pages: 1 |
| **3BC5105** |  |
| BCA(MAIS,CT)- Semester (Main/Back) End Semester Examination, November 2022  **(Mobile / Cloud)** | |
| **BCT05108.2 / BCM05108.2 : Digital 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)** | Explain the tasks to be completed before searching for evidence | **(6)** | **Analyse** |
|  |  |  |  |  |
|  | **(b)** | Elaborate different phases of digital forensics with example | **(6)** | **Understand** |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | Discuss the main objectives of digital forensics. | **(6)** | **Analyse** |
|  |  |  |  |  |
|  | **(b)** | State the importance of FOR500. | **(6)** | **Remember** |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | Explain internet abuse with example. | **(6)** | **Analyse** |
|  |  |  |  |  |
|  | **(b)** | Differentiate white ,black and grey hat hacker with example | **(6)** | **Understand** |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | Explain DDoS attack with real life example. | **(6)** | **Analyse** |
|  |  |  |  |  |
|  | **(b)** | Why should the crime scene should be secured? who is responsible to secure the scene | **(6)** | **Apply** |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** | **(a)** | Explain mobile forensics in detail. | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Write a short note on cybercrime. | **(6)** | **Remember** |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | Explain the legal process to conduct computer evidence for potential criminal violation. | **(6)** | **Analyse** |
|  |  |  |  |  |
|  | **(b)** | Explain the tasks to be completed before searching for evidence. | **(6)** | **Apply** |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** | **(a)** | Define the case study of a digital forensics. | **(6)** | **Analyse** |
|  |  |  |  |  |
|  | **(b)** | Explain collection and preservation of digital forensics analysis | **(6)** | **Apply** |
|  |  | **OR** |  |  |
| **Q.8** | **(a)** | Explain different tool of digital forensic analysis | **(6)** | **Apply** |
|  |  |  |  |  |
|  | **(b)** | Write short note on autopsy tool. | **(6)** | **Remember** |
|  |  | **UNIT V (CO5)** |  |  |
| **Q.9** | **(a)** | Examine the role of following terms.  (i) Forensics System (ii) Forensic Technology | **(6)** | **Analyse** |
|  |  |  |  |  |
|  | **(b)** | Analyse the traditional Computer crimes associated with Cyber Forensics. | **(6)** | **Understand** |
|  |  | **OR** |  |  |
| **Q.10** | **(a)** | Differentiate CDMA,TDMA and GSM Technology | **(6)** | **Analyse** |
|  |  |  |  |  |
|  | **(b)** | Define Hashing algorithms for forensic purposes. | **(6)** | **Remember** |