**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, December 2022**

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|  | **1BC1009** | Roll No. | Total Printed Pages: 1 |
| **1BC1009** |  |
| BCA I Year I-Semester (Main/Back) End Semester Examination, December 2022  **(General)** | |
| **BCACCA1105 : Fundamentals of Information Technology** | | | |

# 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)** | What is Computer? Write Generations of Computer. | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | What are the application / uses of Computer? (Any Six) | **(6)** | **Analysing** |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | Write the history of computer? | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  | **(b)** | What is Software? Explain the difference types of software? | **(6)** | **Understanding** |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | What are the components (Parts ) of computer? | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  | **(b)** | What is Input Devices? Describe the 5 input devices in detail. | **(6)** | **Analysing** |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | What is Computer memory? Describe in detail. | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  | **(b)** | Explain Output Devices in detail. | **(6)** | **Analysing** |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** | **(a)** | Explain the functions of an operating system? | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  | **(b)** | Explain Distributed and Time Sharing Operating System. | **(6)** | **Analysing** |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | What is communication Process? | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  | **(b)** | What is Transmission Mode? Explain types in detail. | **(6)** | **Analysing** |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** | **(a)** | Explain LAN, MAN, WAN and PAN. Using diagram. | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | What is Transmission Media? Explain its types in details. | **(6)** | **Analysing** |
|  |  | **OR** |  |  |
| **Q.8** | **(a)** | Explain Star Topology in details. | **(6)** | **Analysing** |
|  |  |  |  |  |
|  | **(b)** | Explain Ring Topology in details. | **(6)** | **Understanding** |
|  |  | **UNIT V (CO5)** |  |  |
| **Q.9** | **(a)** | What is Internet? Write history of Internet? | **(6)** | **Analysing** |
|  |  |  |  |  |
|  | **(b)** | What is IP address? How does IP addressing work? | **(6)** | **Understanding** |
|  |  | **OR** |  |  |
| **Q.10** | **(a)** | What is IoT? Write applications of IoT (Internet of Things). | **(6)** | **Knowledge** |
|  |  |  |  |  |
|  | **(b)** | What is E-commerce? Explain in details with types. | **(6)** | **Analysing** |