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PRESIDENCYUNIVERSITY BENGALURU

 SCHOOLOFENGINEERING

MAKE UP EXAMINATION- JULY 2024

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| **Semester: 2nd semester** | **Date: 3/7/2024** |
| **CourseCode: BCA2017** | **Time:9.30 AM -12.30 PM** |
| **CourseName:** **Computer Organization** | **MaxMarks:100** |
| **Program:BCA** | **Weightage:50%** |

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Question paper consists of 3parts.*
3. *Scientific and non-programmable calculators are permitted.*
4. *Do not write any information on the question paper other than Roll Number.*

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| **PART A** |
|  **ANSWER ALL QUESTIONS 4Q X 5M=20M** |
| 1 | Brief short notes on the different types of computers. | (CO 1) | [Knowledge] |
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| 2 | Elaborate the various types of ROM | (CO 3) | [Knowledge] |
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| 3 | Define Hit Rate and turnaround time. | (CO 1) | [Knowledge] |
|  |  |  |  |
| 4 | Explain with registers of basic computer. | (CO 2) | [Knowledge] |
| **PART B** |
|  **ANSWER ALL QUESTIONS 4Q X 10M=40M** |
| 5 | Elaborate types of CPU organization with neat diagram | (CO1) | [Comprehension] |
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| 6 | Illustrate the memory hierarchy with proper explanation. | (CO2) | [Comprehension] |
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| 7 | Explain Common bus system with neat diagram | (CO3) | [Comprehension] |
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| 8 | Elucidate Direct Memory Access with neat diagram | (CO4) | [Comprehension] |
| **PART C** |
|  **ANSWER ALL QUESTIONS 2Q X 20M=40M** |
| 9 | Write the Steps and Draw the flowchart of a restoring division algorithm | (CO3) | [Application] |
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| 10 | Elaborate the techniques used in the multiplication of binary numbers with example | (CO4) | [Application] |