|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RollNo |  |  |  |  |  |  |  |  |  |  |  |

PRESIDENCYUNIVERSITY BENGALURU

SCHOOLOFENGINEERING

MAKE UP EXAMINATION- JULY 2024

|  |  |
| --- | --- |
| **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.*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **PART A** | | | | | | | |
| **ANSWER ALL QUESTIONS 4Q X 5M=20M** | | | | | | | |
| 1 | Brief short notes on the different types of computers. | | | (CO 1) | | | [Knowledge] |
|  | | | | | | | |
| 2 | Elaborate the various types of ROM | | | (CO 3) | | | [Knowledge] |
|  | | | | | | | |
| 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] | | |
|  | | | | | | | |
| 6 | Illustrate the memory hierarchy with proper explanation. | | (CO2) | | [Comprehension] | | |
|  | | | | | | | |
| 7 | Explain Common bus system with neat diagram | | (CO3) | | [Comprehension] | | |
|  |  | |  | |  | | |
| 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] | | |
|  | | | | | | | | |
| 10 | Elaborate the techniques used in the multiplication of binary numbers with example | (CO4) | | | | [Application] | | |