|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  Roll No |  |  |  |  |  |  |  |  |  |  |  |

PRESIDENCY UNIVERSITY BENGALURU

 SCHOOL OF ENGINEERING

MAKE UP EXAMINATION - JULY 2024

|  |  |
| --- | --- |
| **Semester : VI** | **Date : 10-07-2024** |
| **Course Code : CSE2051** | **Time : 01.30pm to 04.30pm** |
| **Course Name : information Retrieval** | **Max Marks : 100** |
| **Program : BTech(CSE)** | **Weightage : 50%** |

**Instructions:**

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

|  |
| --- |
| **PART A** |
|  **ANSWER ANY 4 QUESTIONS 4Q X 5M=20M** |
| 1 | List any two advantages of using Artificial Intelligence in information retrieval tasks. | (CO 4) | [Knowledge] |
|  |
| 2 | List any two Information Retrieval Models. | (CO 3) | [Knowledge] |
|  |
| 3 | Define Zipf’s law. | (CO 2) | [Knowledge] |
|  |
| 4 | Describe the purpose of Information Retrieval. | (CO 1) | [Knowledge] |
|  |
| 5 | Define Information Retrieval | (CO 1) | [Knowledge] |
|  |
|  |

|  |
| --- |
| **PART B** |
|  **ANSWER ANY 5 QUESTIONS 5Q X 10M=50M** |
| 6 | Explain the interactive information visualization techniques used for information retrieval. | (CO3) | [Comprehension] |
|  |
| 7 | Explain the functions of information retrieval system? | (CO4) | [Comprehension] |
|  |
| 8 | Summarize the challenges of searching for information on the web. | (CO4) | [Comprehension] |
|  |
| 9 | Compare the various search engines used for information retrieval. | (CO3) | [Comprehension] |
|  |
| 10 | Differentiate information and data retrieval. | (CO2) | [Comprehension] |
|  |
| 11 | Explain the advantages and disadvantages of TF-IDF. | (CO1) | [Comprehension] |
|  |  |  |  |
|  |

|  |
| --- |
| **PART C** |
|  **ANSWER ANY 2 QUESTIONS 2Q X 15M=30M** |
| 12 | Examine the taxonomy of Information Retrieval Model. | (CO2) | [Application] |
|  |
| 13 | Illustrate the page rank computation with an example. | (CO3 & CO4) | [Application] |
|  |
| 14 | Illustrate the role of Matrix Factorization techniques in Collaborative filtering with an example. | (CO2) | [Application] |
|  |
|  |