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PRESIDENCY UNIVERSITY BENGALURU

SCHOOL OF ENGINEERING

MAKE UP EXAMINATION - JULY 2024

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| **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.*

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| **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] |
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| 2 | List any two Information Retrieval Models. | (CO 3) | [Knowledge] |
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| 3 | Define Zipf’s law. | (CO 2) | [Knowledge] |
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| 4 | Describe the purpose of Information Retrieval. | (CO 1) | [Knowledge] |
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| 5 | Define Information Retrieval | (CO 1) | [Knowledge] |
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| **PART B** | | | |
| **ANSWER ANY 5 QUESTIONS 5Q X 10M=50M** | | | |
| 6 | Explain the interactive information visualization techniques used for information retrieval. | (CO3) | [Comprehension] |
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| 7 | Explain the functions of information retrieval system? | (CO4) | [Comprehension] |
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| 8 | Summarize the challenges of searching for information on the web. | (CO4) | [Comprehension] |
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| 9 | Compare the various search engines used for information retrieval. | (CO3) | [Comprehension] |
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| 10 | Differentiate information and data retrieval. | (CO2) | [Comprehension] |
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| 11 | Explain the advantages and disadvantages of TF-IDF. | (CO1) | [Comprehension] |
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| **PART C** | | | |
| **ANSWER ANY 2 QUESTIONS 2Q X 15M=30M** | | | |
| 12 | Examine the taxonomy of Information Retrieval Model. | (CO2) | [Application] |
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| 13 | Illustrate the page rank computation with an example. | (CO3 & CO4) | [Application] |
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| 14 | Illustrate the role of Matrix Factorization techniques in Collaborative filtering with an example. | (CO2) | [Application] |
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