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| **DIT UNIVERSITY DEHRADUN**   |  |  | | --- | --- | |  | **(B.TECH-CSE-IBM) BACK PAPER MIDTERM EXAMINATION,EVEN SEM 2022-23 (SEM VI)** | | | | | | | | | | | | | |
| **Roll No.** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Subject Name: Artificial Intelligence Analyst** | | | | | | | | | | | | |

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| **Time: 2 Hours** | **Total Marks: 50** |
| **Note: All questions are compulsory. No student is allowed to leave the examination hall before the completion of the exam.**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Q.1)** | **Attempt all Parts :** | | **BTL** | **CO** | |  | (a) | Differentiate between deterministic and probabilistic systems. | **L2** | **CO1** | |  | (b) | Demonstrate the main focus of AI with the help of suitable example. | **L3** | **CO1** | |  | (c) | Explain Machine Learning with the help of real world application examples. | **L2** | **CO2** | |  | (d) | Describe CRISP DM. | **L1** | **CO2** | |  |  | **[4 x 2.5= 10]** |  |  | |  | | |  |  | | **Q.2)** | **Attempt all Parts :** | | **BTL** | **CO** | |  | (a) | Explain the working of IBM Watson. | **L2** | **CO3** | |  | (b) | Explain the different applications of AI. | **L2** | **CO1** | |  | (c) | Illustrate cognitive computing and its characteristics. | **L3** | **CO1** | |  | (d) | Describe different NLP processes. | **L1** | **CO3** | |  |  | **[4 x 2.5= 10]** |  |  | |  | | |  |  | | **Q.3)** | **Attempt any Two Parts :** | | **BTL** | **CO** | |  | (a) | Illustrate the role of neural networks in AI are and why they are important. | **L2** | **CO2** | |  | (b) | Illustrate the advancements of CV with AI. | **L3** | **CO2** | |  | (c) | Demonstrate the components of IBM cloud. | **L3** | **CO1** | |  |  | **[2 x 5= 10]** |  |  | |  | | |  |  | | **Q.4)** | **Attempt any Two Parts :** | | **BTL** | **CO** | |  | (a) | Interpret how Watson technology is made available to developers and organizations. | **L3** | **CO3** | |  | (b) | Define how to build your own language translator with AI guide. | **L3** | **CO2** | |  | (c) | Explain linear and logistics Algorithms in detail. | **L3** | **CO2** | |  |  | **[2 x 5= 10]** |  |  | |  | | |  |  | | **Q.5)** | **Attempt any Two Parts :** | | **BTL** | **CO** | |  | (a) | Explain the domain adaptation technique and its applications. | **L2** | **CO2** | |  | (b) | Illustrate how Watson technology is being applied to solve real world problems. | **L3** | **CO3** | |  | (c) | Explain the landscape of cognitive computing in the industry. | **L2** | **CO1** | |  |  | **[2 x 5= 10]** |  |  | | **-----END OF PAPER ----** | | |  |  | | |