**D.Y.PATIL COLLEGE OF ENGINEERING & TECHNOLOGY**

**Set-: I/II**

**Q. Paper Code:**

**KASABA BAWADA KOLHAPUR-416006**

**(An Autonomous Institute)**

F. Y. B. Tech/B.Arch/M. Tech(CSE/ETC)

**END SEMESTER EXAMINATION(ESE),March. – 2023**

**Course Name:** Computer Programming and Problem Solving **Course Code:** 201GEL103

Seat No:

**Day and Date: …….day, …/…/2022**

**Time: ………………… Max. Marks- 50**

***Instructions:***

1. *Question No. 1&2 is compulsory.*
2. *Figure to the right indicate full marks.*
3. *Give suitable general Instructions*
4. *Any other Course Specific Instructions.*
5. *No questions should repeat from MSE/ISE*

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| --- | --- | --- | --- | --- | --- | --- |
| **BT** | **CO’s** | **Q. No.** |  | | **Marks** | **Weightage** |
|  |  | **Q.1** | **All Questions are compulsory** | | **20** | **40%** |
| **1** | **CO1** | **a** | Explain Basic components of Computer. | Unit: 1,2,3 | **6M** |
| **2** | **CO2** | **b** | Explain if\_else statement in detail with suitable example. | **7 M** |
| **2** | **CO3** | c | Explain For loop statement in detail with suitable example. | **7 M** |
|  | | | | | |  |
|  |  | **Q.2** | **All Questions are compulsory (**internal sub question permitted for optional questions either a or b) | | **10** | **60%** |
| **1,2** | **CO4** | **a** | What is function explain its types in details. | Unit: 4 | **4** |
| **1,2** | **CO4** | **b** | Write a program to calculate addition of two numbers using function.  **OR** | **6** |
|  | **CO4** | **b** | Write a program to demonstrate use of string function |  |  |
|  | | | | | |
|  |  | **Q.3** | **All Questions are compulsory (**internal sub question permitted for optional questions either a or b) | | **10** |
| **2** | **CO5** | **a** | Describe declaration and Initialization of Structure. | Unit: 5 | **3** |
| **2** | **CO5** | **b** | Write a program to store student information using structure.  **OR** | **7** |
| **2** | **CO5** | **b** | Describe declaration and Initialization of Union with example. |  |  |
|  | | | | | |
|  |  | **Q.4** | **Attempt any two out of three questions** | | **10** |
| **2** | **CO6** | **a** | Describe Cloud Computing. | Unit: 6 | **5** |
| **2** | **CO6** | **b** | Explain Artificial Intelligence. | **5** |
| **2** | **CO6** | **C** | Explain Machine Learning | **5** |

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