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**PRESIDENCY UNIVERSITY**

**Bengaluru**

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| **End - Term Examinations – JANUARY 2025** |
| **Date:** 10 – 01- 2025 **Time:** 01:00 pm – 04:00 pm |

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| **School:** SOL | **Program:** BA LL.B (Hons.) /BBA LL.B (Hons.)/ B.COM LL.B (Hons.) | |
| **Course Code**: CSA1017 | **Course Name:** Basics of computer applications | |
| **Semester**: I | **Max Marks**:100 | **Weightage**:50% |

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| **CO - Levels** | **CO1** | **CO2** | **CO3** | **CO4** | **CO5** |
| **Marks** | **20** | **20** | **20** | **20** | **20** |

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Do not write anything on the question paper other than roll number.*

**Part A**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Answer ALL the Questions. Each question carries 2marks. 10Q x 2M=20M** | | | | |
| **1** | Define the characteristics of a computer. | **2 Marks** | **L** | **CO1** |
| **2** | How can you copy data from one cell to another in MS Excel? | **2 Marks** | **L** | **CO2** |
| **3** | What is the purpose of a business presentation in MS PowerPoint? | **2 Marks** | **L** | **CO2** |
| **4** | Differentiate between LAN and WAN. | **2 Marks** | **L** | **CO1** |
| **5** | Draw the block diagram of ARPANET, mark the modem and message processor with interfaces. | **2 Marks** | **L** | **CO3** |
| **6** | List the two main benefits associated with using open-source software | **2 Marks** | **L** | **CO4** |
| **7** | What is the significance of packet switching in the internet. | **2 Marks** | **L** | **CO3** |
| **8** | List three effective ways to protect personal privacy online | **2 Marks** | **L** | **CO4** |
| **9** | What is artificial intelligence? | **2 Marks** | **L** | **CO5** |
| **10** | List the components of artificial intelligence. | **2 Marks** | **L** | **CO5** |

**Part B**

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| **Answer the Questions Total 80 Marks.** | | | | | |
| **11.** | **a.** | Differentiate between primary memory and secondary memory, providing examples of each | **10 Marks** | **L** | **CO1** |
| **b** | Discuss the role of the CPU in executing instruction and managing data | **10**  **Marks** | **L** | **CO1** |
| **or** | | | | | |
| **12.** | **a.** | Discuss the significance of RAM and ROM in a computer system, explaining their specific roles. | **10 Marks** | **L** | **CO1** |
| **b** | List the various components of a computer system, Describe the computer architecture with block diagram. | **10 Marks** | **L** | **CO1** |
|  |  |  |  |  |  |
| **13.** | **a.** | Explain the commands and tools available in the following tabs in ribbon a) Reference tab b) Home tab. | **10 Marks** | **L** | **CO2** |
| **b.** | Explain filtering of data sets in MS Excel with one example. | **10 Marks** | **L** | **CO2** |
| **or** | | | | | |
| **14.** | **a.** | Explain soring of data in MS Excel with one example | **10 Marks** | **L** | **CO2** |
| **b** | Explain the process of creating a Table of Contents in MS Word. Additionally, demonstrate how to insert footnotes and apply different heading styles within a document. | **10 Marks** | **L** | **CO2** |

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| **15.** | **a.** | Identify and explain three key milestones in the evolution of the ARPANET. | **10 Marks** | **L** | **CO3** |
| **b.** | With help of block diagram explain the function of switch in computer network, indicate in which layer the switch operates. Justify. | **10 Marks** | **L** | **CO3** |
| **Or** | | | | | |
| **16.** | **a.** | Lists the types of modems. Differentiate between dial-up, DSL in terms of technology and performance. | **10 Marks** | **L** | **CO3** |
| **b.** | Explain the function of a modem in the process of accessing the internet and why it is essential. | **10 Marks** | **L** | **CO3** |

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| **17.** | **a.** | Discuss the following computer crimes, highlighting their methods/Examples.  1. Spoofing 2. Phishing. | **10 Marks** | **L** | **CO4** |
| **b** | Explain the concept of freedom of information in the digital era and its significance in democratic societies.What are some of the major challenges people face in accessing digital information. | **10 Marks** | **L** | **CO4** |
| **Or** | | | | | |
| **18.** | **a.** | What role does predictive analytics play in legal decision-making, and what are its potential benefits and drawbacks | **10 Marks** | **L** | **CO5** |
| **b** | Describe how autonomous vehicles use AI to navigate and make decisions, highlighting key technologies involved. | **10 Marks** | **L** | **CO5** |

**\*\*\*\*\* BEST WISHES \*\*\*\*\***