

INTERNAL ASSIGNMENT**Course Code:** 23OBC101**Assignment No:** 2**Course Title:** Computational Thinking and Fundamentals of IT**Last Date of Submission:** 15 JAN 2024**Maximum Marks:** 30

1. The assignment will have two parts, A and B. Part A is of 10 MCQ-type Questions of 1 mark each.
2. Part B is of 20 Marks having 8 Descriptive Questions. Attempt any 5 out of them.

Part-A**(10 x 1 = 10 Marks)**

Q.No.	Question	CO
1	The layout of _____ is just like the traditional typewriter of the type QWERTY.	3
Ans key	A) Keyboard B) Mouse C) Printer D) Scanner	
2	An input device that can electronically capture an entire page of text or images such as photographs or artwork is called _____.	3
Ans key	A) Keyboard B) Mouse C) Printer D) Scanner	
3	Which storage method is suitable for caching and real-time applications, using a key-value pair model?	4
Ans key	A) MongoDB B) Amazon S3 C) Redis D) None of these	
4	Which type of ROM can be programmed after manufacturing and used for embedded systems	4
Ans key	A) PROM B) EEPROM C) EPROM D) None of these	
5	Which type of software is responsible for converting high-level programming languages into machine code?	4

Ans key	A) Compilers B) Interpreters C) Utility programs D) Operating systems	
6	What is the primary focus of utility programs?	4
Ans key	A) Managing hardware resources B) Enhancing system performance C) Running application software D) Designing user interfaces	
7	The ____ is always the sign bit and the remaining bits represent the magnitude.	5
Ans key	A) Base B) MSB C) LSB D) None of these	
8	A _____ is any arrangement where a sender transmits a message to a receiver over a channel with a medium.	5
Ans key	A) Operating System B) Communication Network C) Both (A) & (B) D) None of these	
9	_____ connects two or more computers that are apart but reside in the same or different cities.	5
Ans key	A) Local Area Networks (LAN) B) Wide Area Network (WAN) C) Metropolitan Area Network (MAN) D) None of the above	
10	_____ is a collection of protocols that governs the data transfer from one machine to another across networks.	5
Ans key	A) TCP/IP B) FTP C) HTTP D) telnet	

Part B**Answer any 5 Questions****(5 X 4 = 20)**

Q.No.	Questions	CO
1	Summarize the various applications of a computer.	3
2	Explain the generations of computer.	3
3	Categorize various secondary storages.	4
4	Explain different primary storages.	4
5	Summarize: Assembly Language, High-Level Language and Machine Language.	4
6	Differentiate LAN, MAN, and WAN.	5
7	Summarize TCP/IP protocol.	5
8	Illustrate components of data communication.	5