

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**

(An Autonomous Institute Affiliated to AKTU, Lucknow)

**MCA**

**SEM: I - CARRY OVER THEORY EXAMINATION JUNE 2023**

**Subject: Computers Concepts & Emerging Technologies**

**Time: 2 Hours**

**Max. Marks: 50**

**General Instructions:**

**IMP:** Verify that you have received the question paper with the correct course, code, branch etc.

**1.** This Question paper comprises of **three Sections -A, B, & C.** It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.

**2.** Maximum marks for each question are indicated on right -hand side of each question.

**3.** Illustrate your answers with neat sketches wherever necessary.

**4.** Assume suitable data if necessary.

**5.** Preferably, write the answers in sequential order.

**6.** No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

**SECTION A**

**15**

**1. Attempt all parts:-**

- |      |   |   |
|------|---|---|
| 1-a. | Which of the following is not an example of hardware? (CO1)   | 1 |
|      | (a) Printer<br>(b) Interpreter<br>(c) Scanner<br>(d) Monitor  |   |
| 1-b. | GUI stands for (CO2)  | 1 |
|      | (a) Graphical User Interface<br>(b) Grapevine User Interface<br>(c) Graphical User Interfaces<br>(d) Graph User Interface |   |
| 1-c. | Which of the following is not a type of broadband internet connection (CO3)   | 1 |
|      | (a) Satellite<br>(b) DSL<br>(c) Dial up   |   |

- (d) Cable
- 1-d. What input devices do you have to work with when you work in MS Word? (CO4) 1
- (a) Keyboard Only
- (b) Both Mouse and Keyboard
- (c) Keyboard
- (d) Plotter
- 1-e. The terms "IAAS" stand for? (CO5) 1
- (a) IT-as-a-Service
- (b) Infrastructure-as-a-Service
- (c) Internet-as-a-Service
- (d) Interoperability-as-a-Service

**2. Attempt all parts:-**

- 2.a. Explain the data processing. (CO1) 2
- 2.b. Define Real time Operating System (CO2) 2
- 2.c. Define TELNET. (CO3) 2
- 2.d. Write a steps to rename a worksheet in MS-EXCEL. (CO4) 2
- 2.e. Mention applications of Artificial Intelligence. (CO5) 2

**SECTION B**

**15**

**3. Answer any three of the following:-**

- 3-a. Compare between Algorithm and Pseudo code with Example. (CO1) 5
- 3-b. Describe Hard Real-Time Systems and Soft Real-Time System. (CO2) 5
- 3-c. Explain different methods to connect and disconnect an internet? (CO3) 5
- 3-d. Explain XLOOKUP, HLOOKUP and VLOOKUP with example. (CO4) 5
- 3.e. List out the importance of Blockchain Technology and Cloud Computing. (CO5) 5

**SECTION C**

**20**

**4. Answer any one of the following:-**

- 4-a. Explain the basic components of the CPU with a block diagram. (CO1) 4
- 4-b. Write the difference between compiler and interpreter with examples. (CO1) 4

**5. Answer any one of the following:-**

- 5-a. Explain different type of topologies with example. (CO2) 4
- 5-b. Explain Computer Network and use of Computer Network. (CO2) 4

**6. Answer any one of the following:-**

- 6-a. Explain the importance of the Internet. (CO3) 4
- 6-b. Describe the use of Temperature sensors and Motion sensors with example. (CO3) 4

**7. Answer any one of the following:-**

- 7-a. Explain all steps involved in creating and saving a file in MS word. (CO4) 4
- 7-b. Write the steps to create a presentation in power point and also explain all its basic formatting. (CO4) 4

**8. Answer any one of the following:-**

- 8-a. Discuss the important issues related to cloud Computing. (CO5) 4
- 8-b. Define Grid Computing. Write its different applications. (CO5) 4