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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (IT / Graphics & Web Designing)/BCA (Sem.–1)

**FUNDAMENTALS OF COMPUTER AND IT**

Subject Code : UGCA1902

M.Code : 76962

Date of Examination : 24-05-2023

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

**SECTION-A**

**1. Write briefly:**

- a. What is the function of the Arithmetic Logic Unit (ALU) in a computer system?
- b. What is the difference between a binary and a decimal number system?
- c. How does IoT connect devices and data in new ways?
- d. What is UPI (Unified Payments Interface) and how does it facilitate electronic fund transfer between bank accounts?
- e. How can you sort the data in Microsoft Excel?
- f. What are the different types of computer languages?
- g. What are some examples of utility programs that are commonly used in computer systems?
- h. How do you protect cells, sheets, and workbooks in Microsoft Excel?
- i. What is the difference between a page break and a section break in Microsoft Word?
- j. What is the purpose of speaker notes in Microsoft PowerPoint?

## SECTION-B

2. What is crypto-currency and how does it differ from other payment systems? How does the use of Bit-Coins as a payment system compare to traditional currencies and what are the risks and benefits involved?
3. What is the purpose of handouts and notes pages in Microsoft PowerPoint and how can you add these features to a slide show? How can you use hyperlinks to link to external sources or other slides within a Microsoft PowerPoint presentation? Illustrate.
4. How do operating systems manage computer resources such as memory, CPU, and storage? What is disk management software and how is it used to manage computer storage?
5. How are arithmetic operations performed in different number systems? Give examples in context to various numbers systems. How are hexadecimal and octal number systems used in computer systems?
6. What are some examples of input devices that-can be used with a computer system? Explain working of these devices.
7. What are macros and how are they used to automate tasks in Microsoft Excel? How can you use Excel to create financial statements, such as a balance sheet or income statement? Give suitable examples.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**