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**SUBJECT CODE NO: - CB-2343**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. F.Y. (Sem-I)**  
**Examination December/January-2022-23**  
**Computer Science Paper-I CMP-011 Computer Fundamentals**

[Time: 1:30 Hours]

[Max. Marks:40]

Please check whether you have got the right question paper.

N. B

- 1) All question are compulsory
- 2) All question carry equal marks.
- 3) Draw neat diagrams and give necessary labels whenever necessary
- 4) Figure to the right indicates full marks.

Q1 Explain different generations of Computers based on processing Speed with its characteristics. 10

**OR**

- a) Explain application and system software with example. 5
- b) Differentiate between compiler and Assembler 5

Q2 What is web browser & Explain advantages and disadvantages of Internet. 10

**OR**

- a) What is number system? Explain Binary and hexadecimal number system in brief. 5
- b) What is Binary subtraction? How to do binary subtraction using the example  $1010 - 101 = ?$  5

Q3 Write short notes on (any 2) 10

1. History of computers.
2. Utility software
3. FTP
4. Decimal Number system.

Q4 Multiple choice questions 10

1. Microprocessor was introduced in which generation of computer?
  - a) Fourth Generation    b) Second Generation    c) Both (A) and (B)    d) All of these

2. Which of the following memory is non-volatile?  
a) SRAM    b) ROM    c) DRAM    d) All of these
3. Any data or instruction entered into the memory of computer is considered as \_\_\_\_\_  
a) Input    b) storage    c) Output    d) Information
4. Interpreter is used as a translator for \_\_\_\_\_  
a) Low level language.    b) High level language.    c) C    d) COBOL
5. Which of the following is designed to control the operations of a computer?  
a) Application software.    b) system software    c) utility software    d) User
6. Which of the following language are directly executable by Computer's CPU?  
a) Machine Language.    c) Assembly language  
b) High language    d) second generation language
7. URL stands for \_\_\_\_\_.  
a) Uniform Resource Locator    c) Unique Result Locator  
b) Universal Resource Locator    d) None of the above.
8. Web pages are saved in which of the following format?  
a) http://    b) HTML    c) DOC    d) URL
9. What is the base value of the hexadecimal numbers?  
a) 16    b) 8    c) 17    d) 2
10. Find out the result of binary addition  $1101_2 + 1100_2$   
a) 11000    b) 10000    c) 11001    d) 1001