Code No: R19ES1112   **R19**   SET - 1

I B. Tech I Semester Supplementary Examinations August/Sep - 2022
FUNDAMENTALS OF COMPUTER SCIENCE
(Com. to CSE, IT)

Time: 3 hours   Max. Marks: 75

Answer any five Questions one Question from Each Unit
All Questions Carry Equal Marks

UNIT-I
1. a) List various types of memories in the computer system. Explain each memory with the functionalities. (8M)
   b) Discuss how hardware is vital to design a good computer system (7M)

Or

2. a) Discuss the significance of various output devices available. (8M)
   b) Explain why secondary storage is necessary for a computer system (7M)

UNIT-II
3. a) Compare and contrast features of high-level language with low-level languages. (8M)
   b) Explain the necessity of the assembly language with an example. (7M)

Or

4. a) Explain the functionalities of a low-level language. (8M)
   b) Discuss the importance of various looping statements with examples. (7M)

UNIT-III
5. a) Compare and contrast Metropolitan Networks and Campus/ Corporate Area Network. (8M)
   b) Discuss the feature of Microsoft Windows. (7M)

Or

6. a) Explain various components of the Process control block. (8M)
   b) Discuss the feature of LINUX environment. (7M)

UNIT-IV
7. a) Explain various Database views with suitable examples. (8M)
   b) Discuss the features of the Hierarchical model. (7M)

Or

8. a) Discuss the functionalities of various Components of the Database system. (8M)
   b) Illustrate various steps in the design and development of a Computer based system. (7M)

UNIT-V
9. a) Discuss various features of Distributed Networking, (8M)
   b) Explain various categorization of the Peer-to-peer system (7M)

Or

10 a) Explain the limitations of Cloud Computing. (8M)
   b) Compare and contrast various types of wireless networks (7M)