

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)

B.Tech.Sem - V IT : : SUMMER - 2022

SUBJECT : SYSTEM PROGRAMMING

Day : Wednesday
Date : 01-06-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 60

S-13411-2022

N.B.:

- 1) **ALL** questions are compulsory.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagram **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

Q.1 Describe the evolution of operating system along with its functions. **[10]**

OR

Q.1 Enlist and describe language processing development tools with reference to suitable example. **[10]**

Q.2 What do you mean by long way, no Looping? Describe address modification using instructions. **[10]**

OR

Q.2 Describe IBM 360 machine structure in detail with neat diagram. **[10]**

Q.3 Describe along with flowchart the design of two pass assembler with suitable example. **[10]**

OR

Q.3 Describe Radix Exchange Sort with reference to suitable example. **[10]**

Q.4 What is the difference between macro and Procedure? Describe with reference to suitable example how macros get expanded while calling of macros. **[10]**

OR

Q.4 Enlist different features of Macro facility. Explain in detail Macro instruction arguments with suitable examples. **[10]**

Q.5 What are loaders? Describe compile- and-Go loaders with suitable example. **[10]**

OR

Q.5 Explain absolute loaders with an example. **[10]**

Q.6 Describe syntax analysis with suitable example. **[10]**

OR

Q.6 What is Tokenization? Explain lexical phase with reference to suitable example. **[10]**

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