15193

B. Tech 5th Semester Examination

System Software (NS)

IT-314

Time : 3 Hours   Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Candidates are required to attempt five questions in all selecting one question from each of the sections A, B, C & D of the question paper and all the subparts of the questions in Section E.

SECTION - A

1. Distinguish between system and application software. What are components of system software?   (20)

2. Explain all about viruses in detail.   (20)

SECTION - B

3. Explain advantages and functions of a macro processor. (20)

4. Explain design of an assembler. Explain two pass assembler.
                                                          (20)

SECTION - C

5. Explain the functions of object code.   (20)

6. Explain loader schemes in detail.   (20)

SECTION - D

7. Explain any two searching techniques in detail.   (20)

8. Explain interrupts in detail.   (20)

SECTION - E
(Compulsory Question)

9. Answer the following:

   (a)   What is application software?

   (b)   What is an instruction set?

   (c)   What is a macro?

   (d)   What is a linker?

   (e)   What is Go loader?

   (f)   What is Binary searching?

   (g)   What is BIOS?

   (h)   What is DOS?

   (i)   What is absolute loader?

   (j)   What is a text editor?   (2×10=20)

[P.T.O.]