

S-722

Total Pages : 3

Roll No. -----

MSCIT-15

System Software

(MCA/MSCT)

4th Semester, Examination 2022(Dec.)

Time: 2 Hours

Max. Marks: 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section – A

(Long Answer – type questions)

Note: Section 'A' contains Five (05) long-answer-type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

[2 x 19 = 38]

P.T.O.

- Q.1. What do you mean by System Software? What are the different types of System Software?
- Q.2. Discuss the concept of Linkers. Also explain Static and dynamic linking.
- Q.3. What do you mean by Macros? Also explain macro processors.
- Q.4. What do you mean by parser? Also differentiate Top-down and Bottom-up parsers.
- Q.5. Explain the concept of Finite automata in details with its objective.

Section – B

(Short-answer-type questions)

Note: Section 'B' contains Eight (08) short-answer-type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only.

[4 x 8 = 32]

- Q.1. Explain the Definition of system software.
- Q.2. What is Assemblers? Discuss the Assembly languages in detail.
- Q.3. Discuss the different Phases of a compiler.
- Q.4. Differentiate Top-down and Bottom-up parsers.
- Q.5. What do you mean by lexical analyser? Explain its role.
- Q.6. Discuss the concept of Construction of syntax tree.
- Q.7. How Assembly language is different from machine language?
- Q.8. Discuss intermediate language and its objectives.
