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|   | An  | swe        | r Question No.1 (   |   |                      |          | y EIGH    | T from I    | Part-II and any            | / TWO    |
|   |   | 210        | 2 <del>1</del> ho 1   | ır<br>İgures in <sup>2</sup> the rigl                 | rom Part-l           |          | indicat   | 10<br>marke | 210                        | 210      |
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|   | Q1  | 2)         |   | er Type Questions                                     |                      | All-10)  |           |             |                            | (2 x 10) |
|   |   | a)<br>b)   |   | alysis of language p<br>Code Optimization             |                      | S        |           |             |                            |          |
|   |   | c)         |   |   |                      |          |           |             |                            |          |
| ) |   | <b>d)</b>  | Define forward references.  |   |                      |          |           |             |                            | 210      |
|   |   | e)<br>f)   | Explain the term positional parameter.  What is the difference between System Software and Application software?  |   |                      |          |           |             |                            | 210      |
|   |   | g)         | Explain memory allocation in block structured language.   |   |                      |          |           |             |                            |          |
|   |   | h)         | Define Assembler.   |   |                      | 0 0      |           |             |                            |          |
|   |   | i)<br>:\   |   | ecedence gramme                                       |                      |          |           |             |                            |          |
|   |   | j)         | ) What is ambiguity in grammar specification ?  |   |                      |          |           |             |                            |          |
|   |   |            | 0.10  | 0.10  | Part-II              |          |           |             | 0.40                       | 0.10     |
| ) | Q2  | 210        | Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8) <sup>10</sup> Define Linking. How external reference is resolved in Linking? |   |                      |          |           |             |                            |          |
|   |   | a)<br>b)   |   | w external referenc<br>ies for dynamic del            |                      | a in Lin | iking ?   |             |                            |          |
|   |   | c)         | What is the structure of LEX program ?  |   |                      |          |           |             |                            |          |
|   |   | d)         |   | hods used for inde                                    |                      |          |           |             |                            |          |
|   |   | e)         |   | efinition for adding<br>s by 1 every time ir          |                      |          | nes.Use   | nested      | macro call to              |          |
|   |   | f)         |   | ogramming languag                                     |                      |          | ing the s | oftware r   | eliable ?                  |          |
| ) |   | <b>g</b> ) | Explain the term s  | Binding and Bindin                                    | ng Times?10          |          | _         | 10          | 210                        | 210      |
|   |   | h)<br>i)   | Define : L-Attribute<br>Explain the types of  | ed definition in deta                                 | il.                  |          |           |             |                            |          |
|   |   | j)         |   | quadruple represer                                    | ntation with         | exampl   | le.       |             |                            |          |
|   |   | k)         | Explain Left recurs   | sion,Left factoring ir                                | n top down           | parsing  | J.        |             |                            |          |
|   | <ul> <li>Describe following data structures : OPTAB,SYMTAB,LITTAB and POOLTAB.</li> </ul> |            |   |   |                      |          |           |             |                            |          |
|   |   |            |   |   | Part-III             |          |           |             |                            |          |
| ) |   | 210        |   | er Type Questions                                     |                      |          | o out o   | f(Four)     | 210                        | 210      |
|   | Q3  |            | Explain life cycle o  | of source program v                                   | vith neat sk         | etch.    |           |             |                            | (16)     |
|   | Q4  |            | Explain use and fie   | eld of following tabl                                 | es of a ma           | cro      |           |             |                            | (16)     |
|   |   |            | KPDTAB,MDT,EV   | TAB,SSTAB   |                      |          |           |             |                            |          |
|   | Q5  |            | Explain the drawb   | acks and benefits o                                   | of Interpreta        | ation.   |           |             |                            | (16)     |
|   | Q6  | 010        | What is program relocation? How relocation is performed by Linker? Explain with   |   |                      |          |           |             | <b>(16)</b> <sub>210</sub> |          |
| J | ωυ  | 210        | example.  | TOIOGAUOTE   I IOW T                                  | Ciocaudi <u>r</u> ]( | ρριισι   | iiiicu by | TULITING    | : Evbiaiii Mitti           | (10) 210 |
|   |   |            | •   |   |                      |          |           |             |                            |          |
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