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| **Terna Engineering College** |
| **Department of Computer Engineering** |
| **Internal Assessment Test - 1** |
| **FH-2021** |
| **Subject: SPCC Class/Div/Sem: TE/B/VI** |
| **Subject Code: CSC602** |
| **Max marks: 20 Duration:30 min** |

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| **Q. No.** | **Question** | | **Marks** |
| 6 | 6A | i) Consider the grammar given as  G = ({S, A, B}, {a, b},P ,S)  where P consists of  (1) S → aB / bA  (2) A → a / aS /bAA  (3) B → b / bS / aBB  Derive “bbaaba” using leftmost and rightmost derivations.  OR | 05 |
| ii) Explain with an example Operator precedence parsing. |
| 6B | i) Explain Dead Code Elimination Technique in Code Optimization.  OR | 05 |
| ii) Generate Three address code for following code.  While (a < b) do  if (c < d) then  x = y +2  else  x = y - 2 |