

**Terna Engineering College**  
**Department of Computer Engineering**  
**Internal Assessment Test - 1**

**FH-2021**

**Subject: SPCC**  
**Subject Code: CSC602**  
**Max marks: 20**

**Class/Div/Sem: TE/B/VI**

**Duration:30 min**

<b>Q. No.</b>	<b>Question</b>		<b>Marks</b>
6	6A	i) Consider the grammar given as $G = (\{S, A, B\}, \{a, b\}, P, S)$ where P consists of (1) $S \rightarrow aB / bA$ (2) $A \rightarrow a / aS / bAA$ (3) $B \rightarrow b / bS / aBB$ 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  ii) Generate Three address code for following code. While (a < b) do if (c < d) then x = y +2 else x = y - 2	05