Department of Computer Science & Engineering
University of Asia Pacific (UAP)

Class Test   **Fall 2021**   **4nd Year 2nd Semester**

Course Code: CSE 429   **Course Title: Compiler Design**   **Credits: 3**

Full Marks: 20   **Duration: 30 minutes**

1. Consider the following Context-Free Grammar (CFG):
   STMT→ TERM | xb
   TERM→ a TERM b | FACTOR
   FACTOR→ x
   a) Find out the LR(1) item sets for the above stated grammar.
   b) Construct two parse tables for i) CLR(1) ii) LALR(1)