B.Tech., CSE VII Sem., 2019-20
Compiler: Quiz-cum-open book Test

Roll No........................

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Note: Fill in the answer in the space provided for. Any rough work, if needed can be done on back of this page.

1. Select the correct choice: Answer: [   ]
   (A) Number of passes in a compiler can be more than phases
   (B) More passes means more speed of compilation
   (C) Usually phases are combined to make it a pass
   (D) Usually the passes are combined to make it a pass

2. Select the correct choice: [   ]
   (A) The optimiser phase is after intermediate code generation
   (B) Optimization can be done after assembly code generation
   (C) Optimization is done just before the final code generation
   (D) All above

3. If x and y in $x * y$ are not same type, which phase checks it? [   ]
   (A) Lexical analyser   (C) Syntax analyser
   (B) Semantic Analyser   (D) Intermediate Code Generator

4. In the following code: $t1 = id3 * 80.0$, the $t1$, $id3$, etc. stand for: [   ]
   (A) CPU registers   (C) Memory locations
   (B) Both A and C (D) None of these

5. An *Interpreter* does not generate machine code (True/False). [   ]

6. The number of phases in a compiler are always more than number of passes. [   ]

7. A lexical analyser makes use of buffer due to following reason: [   ]
   (A) Fast reading of characters   (B) Forward and back movement of pointer
   (C) Both A and B (D) None of these

   Note: A token for **digits** is defined by *digit digit**.

8. What is Token for **id**? Ans: ....

9. What is Token for **Number**? : Ans: ....

   (Note that a number may be combination of integer, fraction, and exponent)

10. Following is *GCC* command to compile only, but not linking it. [   ]
    (A) $ gcc -i file.c   (C) $ gcc -S file.c
    (B) $ gcc -c file.c   (D) $ gcc -o file.c