

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name : System Programming

Subject Code : 4TE06SYP1

Branch: B.Tech (IT)

Semester : 6

Date : 04/05/2018

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1

Attempt the following questions:

(14)

- a) Which of the following is not a type of assembler?
 - (a) one pass
 - (b) two pass
 - (c) three pass
 - (d) load and go
- b) _____ phase performs type checking task.
 - (a) Lexical Analysis
 - (b) Syntax Analysis
 - (c) Semantic Analysis
 - (d) None of above
- c) Which of the following system software resides in main memory always?
 - (a) Text editor (b) Assembler (c) Linker (d) Loader
- d) Which of the following is not a feature of compiler?
 - (a) Scans the entire program first and then translate it into machine code
 - (b) When all the syntax errors are removed execution takes place
 - (c) slow for debugging
 - (d) Execution time is more
- e) Yacc semantic action is a sequence of _____
 - (a) Tokens
 - (b) Expressions
 - (c) C Statement
 - (d) Rules
- f) Which of the following software tool is parser generator?
 - (a) Lex
 - (b) Yacc
 - (c) Both (a) and (b)
 - (d) None of these
- g) Parsing is also known as _____
 - (a) Lexical analysis
 - (b) Syntax analysis



b) Explain & compare various intermediate code forms (representations) for an assembler.

(7)

