

MCQ Full Syllabus

Total points 22/25 ?

Email address *

swarnava415@gmail.com

Name *

Swarnava Chakraborty

Class Roll No *

20

✓ Which algorithm invokes a function GETREG()? *

2/2

- ☐ Code motion algorithm
- ☐ Code optimization algorithm
- ☐ Intermediate Code
- ☒ Code generation algorithm

✓

✓ Which of the following are labeled by operator symbol? *

2/2

- ☐ Root
- ☒ Interior nodes
- ☐ Leaves
- ☐ Nodes

✓

✓ Which optimization technique is used to reduce the multiple jumps? *

2/2

- ☐ Latter optimization technique
- ☒ Peephole optimization technique
- ☐ Local optimization technique
- ☐ Code optimization technique

✓

✗ FORTRAN programming language is a _____ *

0/2

- ☐ Turing language
- ☐ Context-sensitive language
- ☒ Context-free language
- ☐ Regular language

✗

Correct answer

- ☒ Context-sensitive language

✓ Which of the following function is called the canonical collection of LR(0) 2/2 item. *

- ☐ FIRST
- ☐ FOLLOW
- ☒ GOTO
- ☐ COMPUTE

✓

✓ A grammar that produces more than one parse tree for some sentence is 1/1 called _____ *

- ☒ Ambiguous
- ☐ Unambiguous
- ☐ Regular
- ☐ None of the above

✓

✓ Which of the following derivations does a top-down parser use while 1/1 parsing an input string? *

- ☒ Leftmost derivation
- ☐ Leftmost derivation in reverse
- ☐ Rightmost derivation
- ☐ Rightmost derivation in reverse

✓

✗ Which of the following derivations does a bottom-up parser use while 0/1 parsing an input string? *

- ☐ Leftmost derivation
- ☐ Leftmost derivation in reverse
- ☒ Rightmost derivation
- ☐ Rightmost derivation in reverse

✗

Correct answer

- ☒ Rightmost derivation in reverse

✓ Which of the following needed to convert an arbitrary CFG to an LL(1) 1/1 grammar? *

- ☐ Removing left recursion only
- ☐ Factoring the grammar alone
- ☒ Factoring & left recursion removal
- ☐ None of the mentioned

✓

✓ Compiler should report the presence of _____ in the source 1/1 program, in translation process. *

- ☐ Classes
- ☐ Object
- ☒ Error
- ☐ Codes

✓

✓ What is the output of the lexical analyser? *

1/1

- ☐ parse tree
- ☒ list of tokens
- ☐ intermediate code
- ☐ machine code

✓

✓ _____ is considered as a sequence of characters in a token. *

1/1

- ☐ Token
- ☒ Lexeme
- ☐ String
- ☐ Word

✓

✓ The grammar $A \rightarrow AA \mid (A) \mid \epsilon$ is not suitable for predictive-parsing 1/1 because the grammar is? *

- ☐ Ambiguous
- ☒ Left recursive
- ☐ Right recursive
- ☐ An operator grammar

✓

✓ Which of the following groups is/are token together into semantic 1/1 structures? *

- ☐ Syntax analyzer
- ☐ Intermediate code generation
- ☒ Lexical analyzer
- ☐ Semantic analyzer

✓

✓ Grammar of the programming is checked at _____ phase of compiler. * 1/1

- ☐ Semantic analysis
- ☒ Syntax analysis
- ☐ Code optimization
- ☐ Code generation

✓

✓ Compiler translates the source code to *

1/1

- ☐ Executable Code
- ☒ Machine Code
- ☐ Byte Code
- ☐ C Code

✓

✓ Does Compiler design enhance software engineering skills? *

1/1

- ☒ Yes
- ☐ No

✓

✓ The compiler typically _____ the level of abstraction of the 1/1 program *

- ☒ lowers
- ☐ increases
- ☐ does not have any relation with
- ☐ None of the mentioned options

✓

✓ Do you need the concept of computer organization and architecture to 1/1 learn compiler design? *

- ☒ Yes
- ☐ No
- ☐ Maybe

✓

✓ Do you need the concept of formal languages and automata theory to 1/1 learn compiler design? *

- ☒ Yes
- ☐ No
- ☐ Maybe

✓