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Best of luck!

PAST PAPER

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Question No : 1 of 26 Marks: 1 (Budgeted Time 1 Min)

Typical compilation means programs written in high-level languages to low-level _____.

Answer (Please select your correct option)

- Object code
- Byted code
- Unicode
- Object Code and byte code



Correct Answer S
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0322804330

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Question No : 2 of 26 Marks: 1 (Budgeted Time 1 Min)

In _____ , certain checks are performed to ensure that components of a program fit together meaningfully.

Answer (Please select your correct option)

- Linear analysis
- Hierarchical analysis
- Semantic analysis
- None of given

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Question No : 3 of 26 Marks: 1 (Budgeted Time 1 Min)

The Back End of a compiler consist of _____ .

Answer (Please select your correct option)

- Instruction selection



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- Register allocation
- Instruction scheduling
- All of the given

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Question No : 4 of 26 Marks: 1 (Budgeted Time 1 Min)

____ read the input character and produce sequence of tokens as output.

Answer (Please select your correct option)

- Lexical analyzer



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- Parser
- Symbol table
- None of the given

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Question No : 5 of 26 Marks: 1 (Budgeted Time 1 Min)

A lexeme is a sequence of characters in the source program that is matched by the pattern for a _____ .

Answer (Please select your correct option)

- Linker
- Token
- Control flow
- None of given



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Question No : 6 of 26 Marks: 1 (Budgeted Time 1 Min)

The regular expression _____denotes, the set of all strings of a's and b's of length two

Book

Answer (Please select your correct option)

- a*
- (a*|b*)*
- (a*b*)*
- (a|b)(a|b)



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Question No : 7 of 26 Marks: 1 (Budgeted Time 1 Min)

What kind of abstract machine can recognize strings in a regular set?

Answer (Please select your correct option)

- DFA

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- NFA
- PDA
- None of the given

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Question No : 8 of 26 Marks: 1 (Budgeted Time 1 Min)

In multi pass compiler, during the first pass it gathers information about _____ .

Answer (Please select your correct option)

- Declaration



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- Bindings
- Static information
- None of the given

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Question No : 9 of 26 Marks: 1 (Budgeted Time 1 Min)

_____ (Lexical Analyzer generator), is written in Java

Answer (Please select your correct option)

- Flex
- Jlex
- Complex
- None of given



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Question No : 10 of 26 Marks: 1 (Budgeted Time 1 Min)

In Flex specification file, different sections are separated by _____ .

Answer (Please select your correct option)

- %%
- &&
- ##
- None of given



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Question No : 11 of 26 Marks: 1 (Budgeted Time 1 Min)

Recursive ____ parsing is done for LL(1) grammar.

Answer (Please select your correct option)

- Decent



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- Ascent
- Forward
- None of the given

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Question No : 12 of 26 Marks: 1 (Budgeted Time 1 Min)

_____ of a two-pass compiler is consists of Instruction selection, Register allocation and Instruction scheduling.

Answer (Please select your correct option)

- Backend



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- Frontend
- Start
- None of the Given

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Question No : 13 of 26 Marks: 1 (Budgeted Time 1 Min)

Parser takes tokens from scanner and tries to generate _____ .

Answer (Please select your correct option)

- Binary Search tree
- Parse tree.
- Binary Search tree and Parse tree.
- None of the given



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Question No : 14 of 26 Marks: 1 (Budgeted Time 1 Min)

_____ is evaluated to yield a value.

Answer (Please select your correct option)

- Command
- Expression
- Declaration
- None of the given



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Question No : 15 of 26 Marks: 1 (Budgeted Time 1 Min)

In predictive parsing table, the rows represents _____ .

Answer (Please select your correct option)

- Terminals
- Both non-terminal and terminals
- Non-terminals 
- None of the given

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Question No : 16 of 26 Marks: 1 (Budgeted Time 1 Min)

Consider the grammar

$$A \rightarrow B\ C\ D$$
$$B \rightarrow h\ B \mid \varepsilon$$
$$C \rightarrow C\ g \mid g \mid C\ h \mid i$$

Answer (Please select your correct option)

- h, i
- h, ε ⇦
- g
- None of the given.

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Question No : 17 of 26 Marks: 1 (Budgeted Time 1 Min)

Consider the grammar

$$A \rightarrow B\ C\ D$$
$$B \rightarrow h\ B \mid \varepsilon$$
$$C \rightarrow C\ g \mid g \mid C\ h \mid i$$

Answer (Please select your correct option)

- h, $
- i
- g, $
- None of the given.

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Question No : 17 of 26 Marks: 1 (Budgeted Time 1 Min)

$A \rightarrow B\ C\ D$
$B \rightarrow h\ B \mid \varepsilon$
$C \rightarrow C\ g \mid g \mid C\ h \mid i$
$D \rightarrow A\ B \mid \varepsilon$

Follow of D is ____ .

Answer (Please select your correct option)

- h, $
- i
- g, $
- None of the given.

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Question No : 18 of 26 Marks: 1 (Budgeted Time 1 Min)

The shift action _____ a terminal on the stack.

Answer (Please select your correct option)

- Pushes

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- Pops
- Both push and pops
- None of the given

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Question No : 19 of 26 Marks: 1 (Budgeted Time 1 Min)

_____ parsers never shifts into an error state.

Answer (Please select your correct option)

- LS
- LT
- LR
- LP



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Question No : 20 of 26 Marks: 1 (Budgeted Time 1 Min)

Bottom-up parsers handle a _____ class of grammars.

Answer (Please select your correct option)

- Large 
- Small
- Medium
- None of the given.

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Question No : 21 of 26 Marks: 2 (Budgeted Time 4 Min)

What is the role of parser generator with respect to compilers?

Answer (Please click here to Add Answer)

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Question No : 22 of 26 Marks: 2 (Budgeted Time 4 Min)

Considering that the bottom-up parsing uses only two kinds of actions with stack to hold the content of the left string, which action pushes a terminal on the stack?

Answer (Please click here to Add Answer)

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Question No : 23 of 26 Marks: 3 (Budgeted Time 6 Min)

How recursive descent parser is implemented using any Object Oriented language?

Answer (Please click here to Add Answer)

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Question No : 24 of 26 Marks: 3 (Budgeted Time 6 Min)

Considering the following grammar, calculate the first set of non-terminals S, A and B.

S → AB
A → a | ε
B → b | ε

Answer (Please click here to Add Answer)

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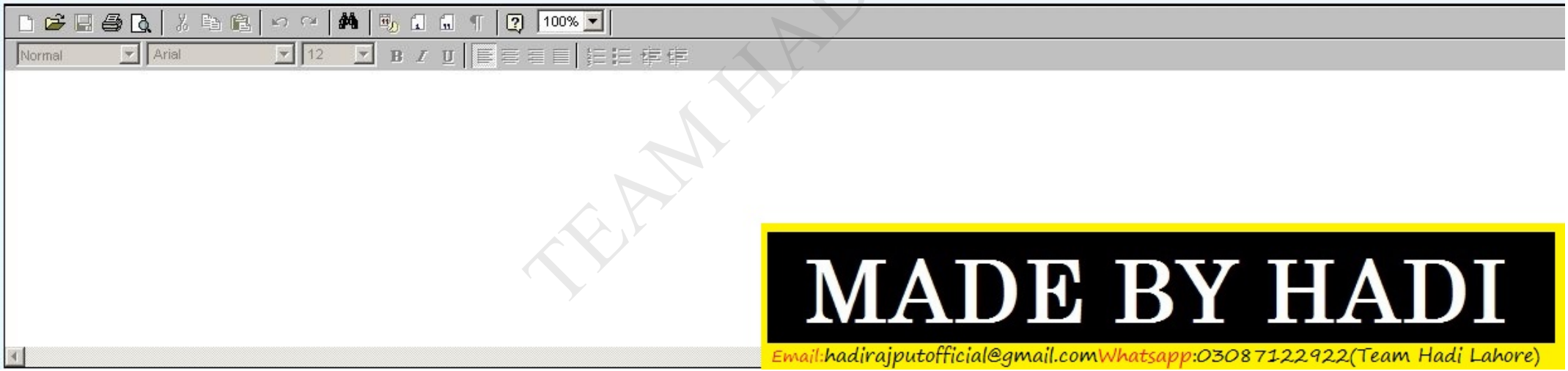
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Question No : 25 of 26 Marks: 5 (Budgeted Time 10 Min)

Suppose that you wrote a grammar for recognizing a regular expression and you found that this grammar is insufficient to evaluate arithmetic expression. If there is no notion of precedence order or implied order of evaluation then how will you change this grammar to evaluate the expression in correct order?

Answer (Please click here to Add Answer)



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Question No : 26 of 26 Marks: 5 (Budgeted Time 10 Min)

Considering the following grammar, reduce the string "abbcbcde" using Bottom-up parsing

S ⟶ aABe
A ⟶ Abc | b
B ⟶ d

Answer (Please click here to Add Answer)

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