

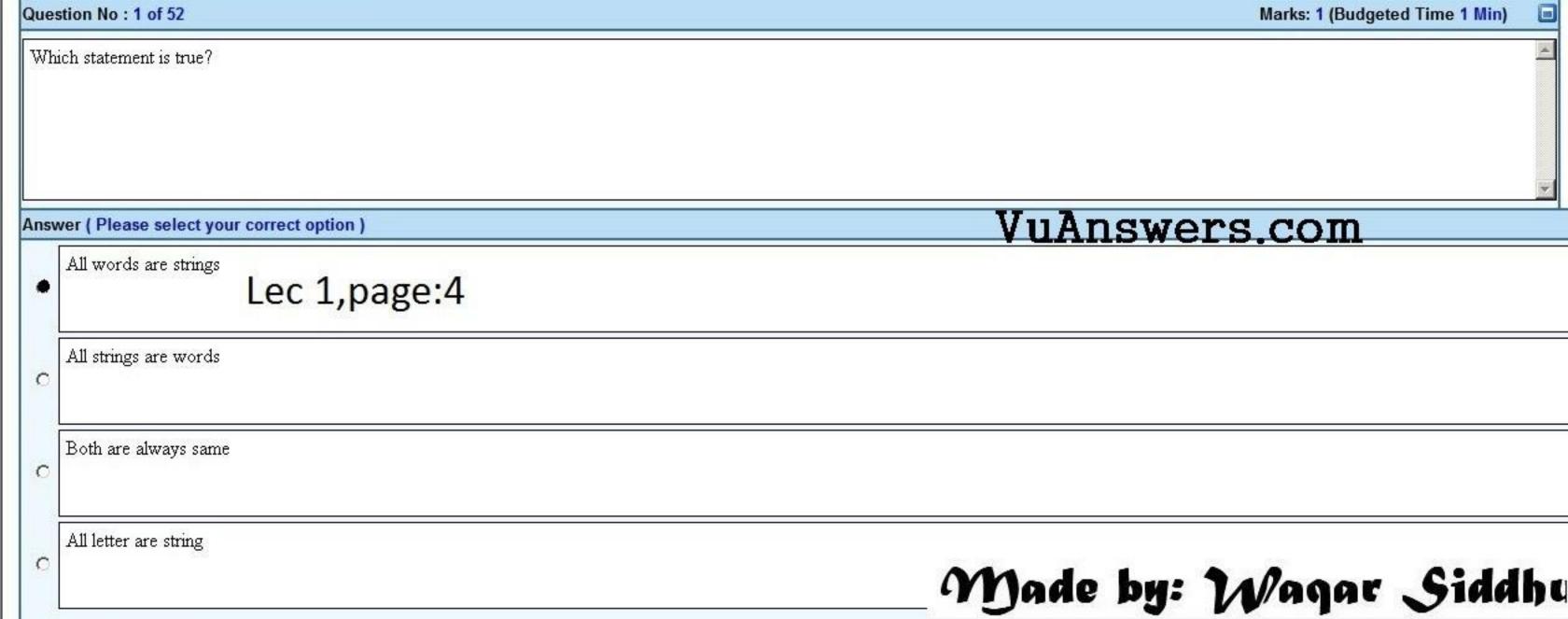
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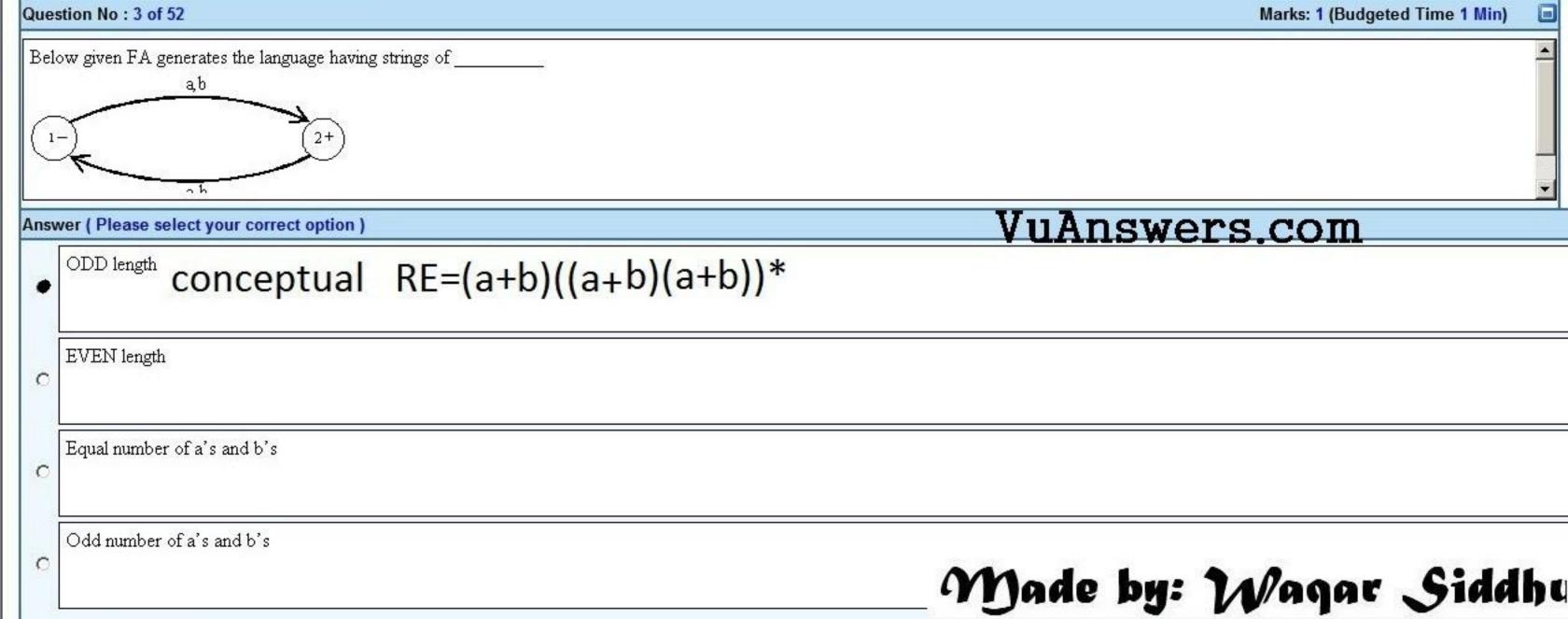
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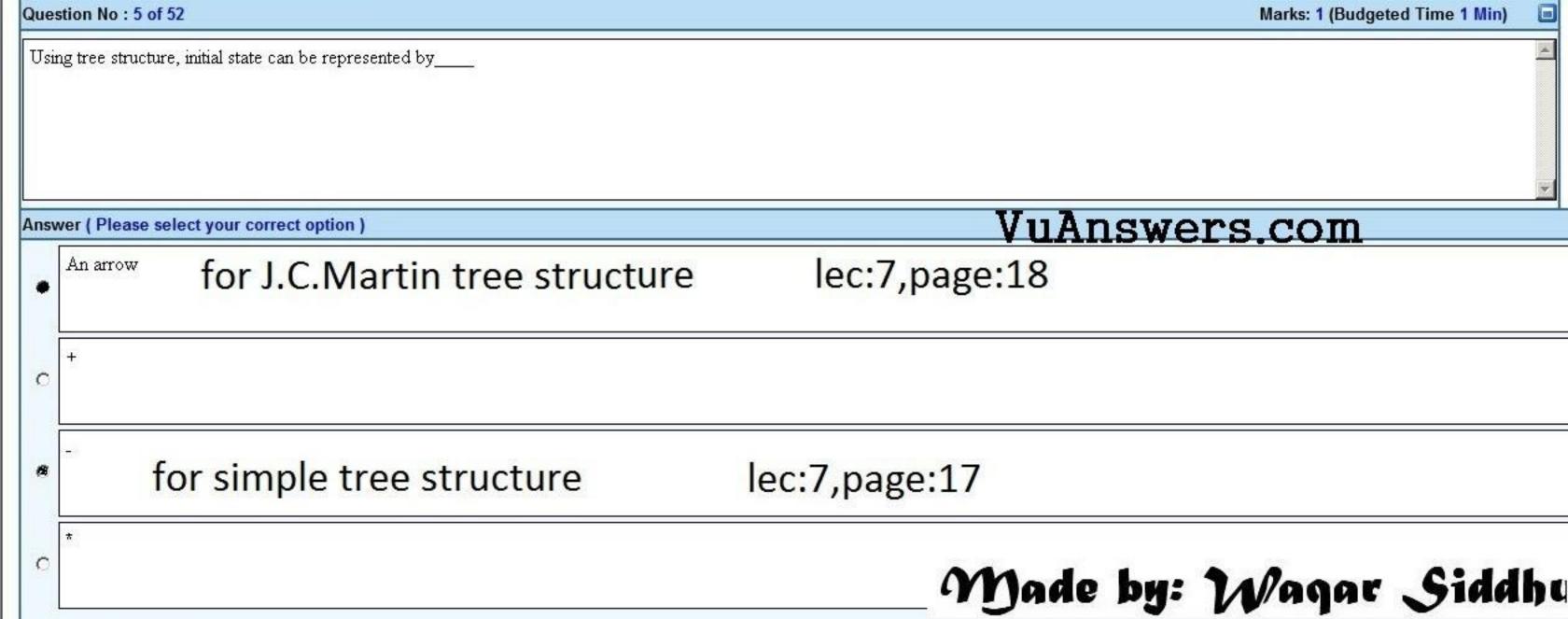
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Question No : 2 of 52	Marks: 1 (Budgeted Time 1 Min)
If L1 and L2 are expressed by r1 and r2, respectively then the language expressed by (r1)(r2) will be _	
Answer ( Please select your correct option )	VuAnswers.com
Lec:4,page:10	
c Ir-regular	
Undermined	
Such language does not exist	Made by: Wagar Siddho



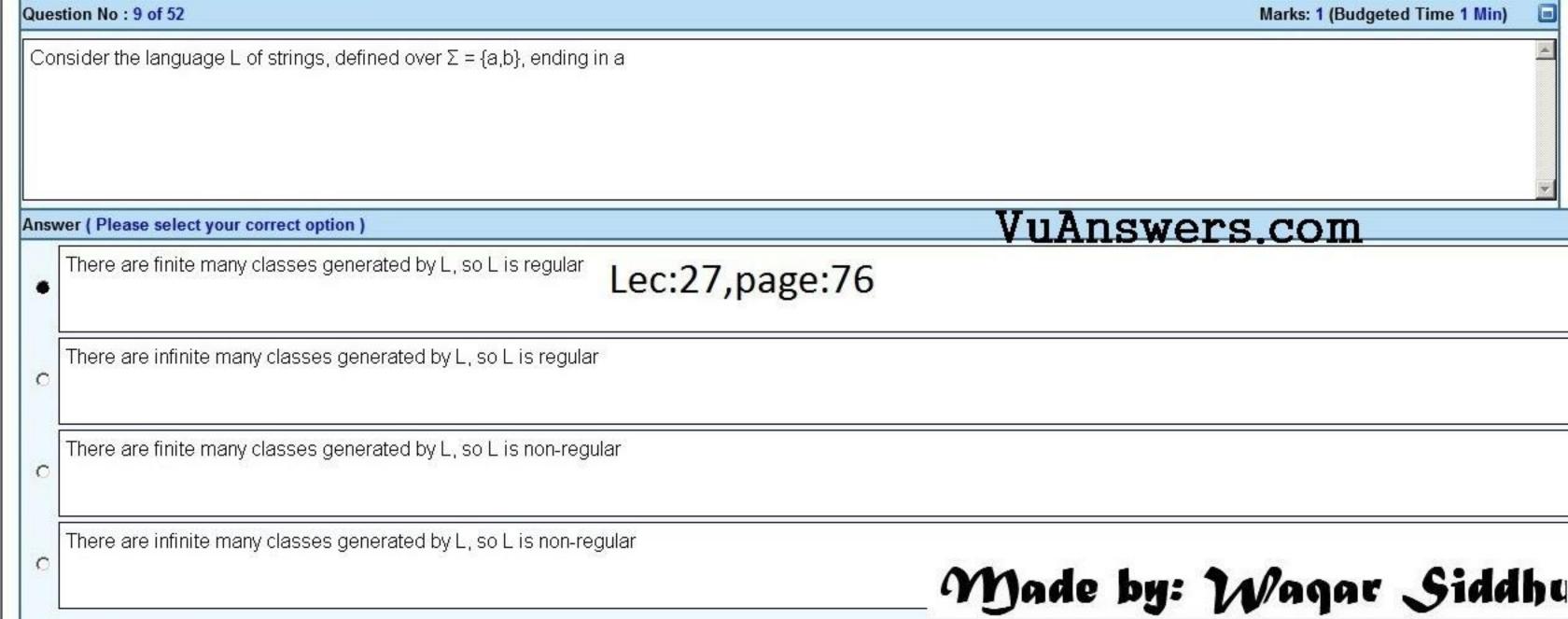
Question No : 4 of 52	Marks: 1 (Budgeted Time 1 Min)
If an FA accepts no string, then language is denoted by	
Answer ( Please select your correct option )	VuAnswers.com
c {}	
o	
Both {} and Ø Lec:6,page:16	
C Null	Made by: Wagar Siddho



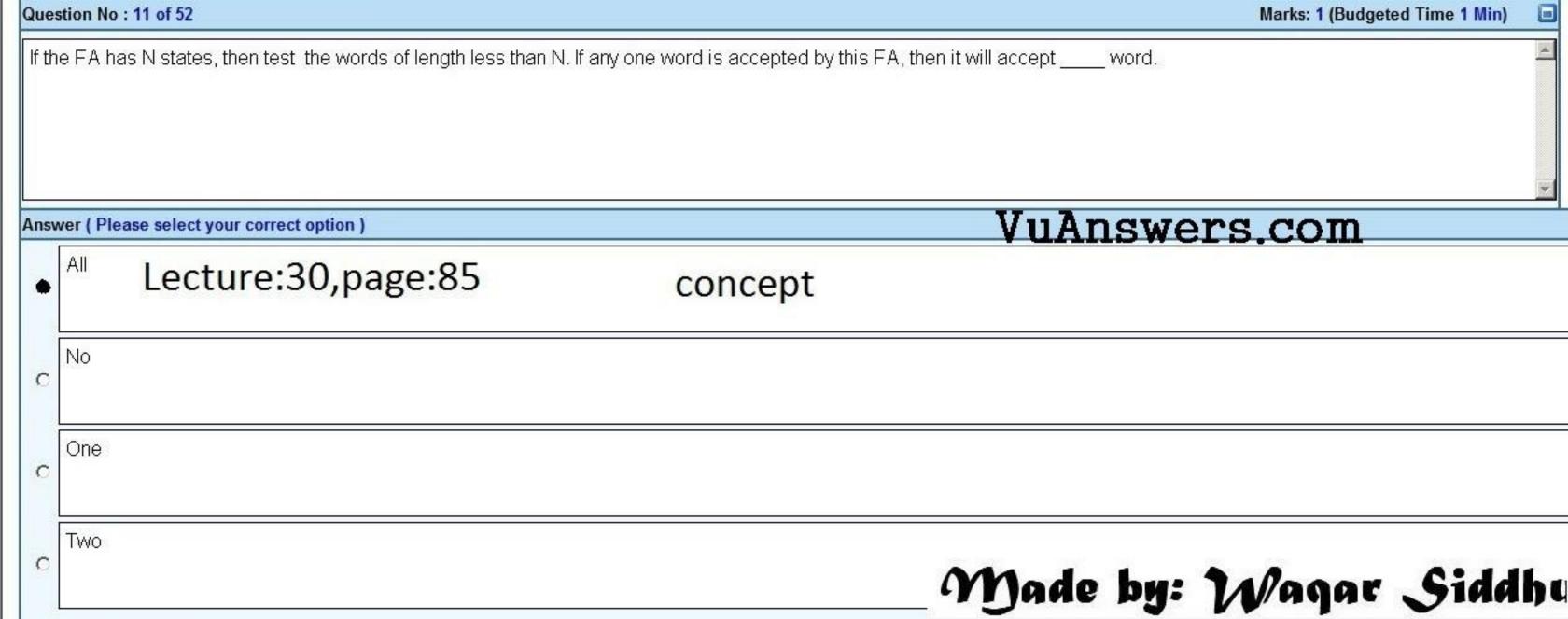
Question No : 6 of 52	Marks: 1 (Budgeted Time 1 Min)
Below given FA acceptslanguage.	
Answer ( Please select your correct option )	VuAnswers.com
Finite page 17	
Infinite	
No No	
All C	Made by: Wagar Siddhu

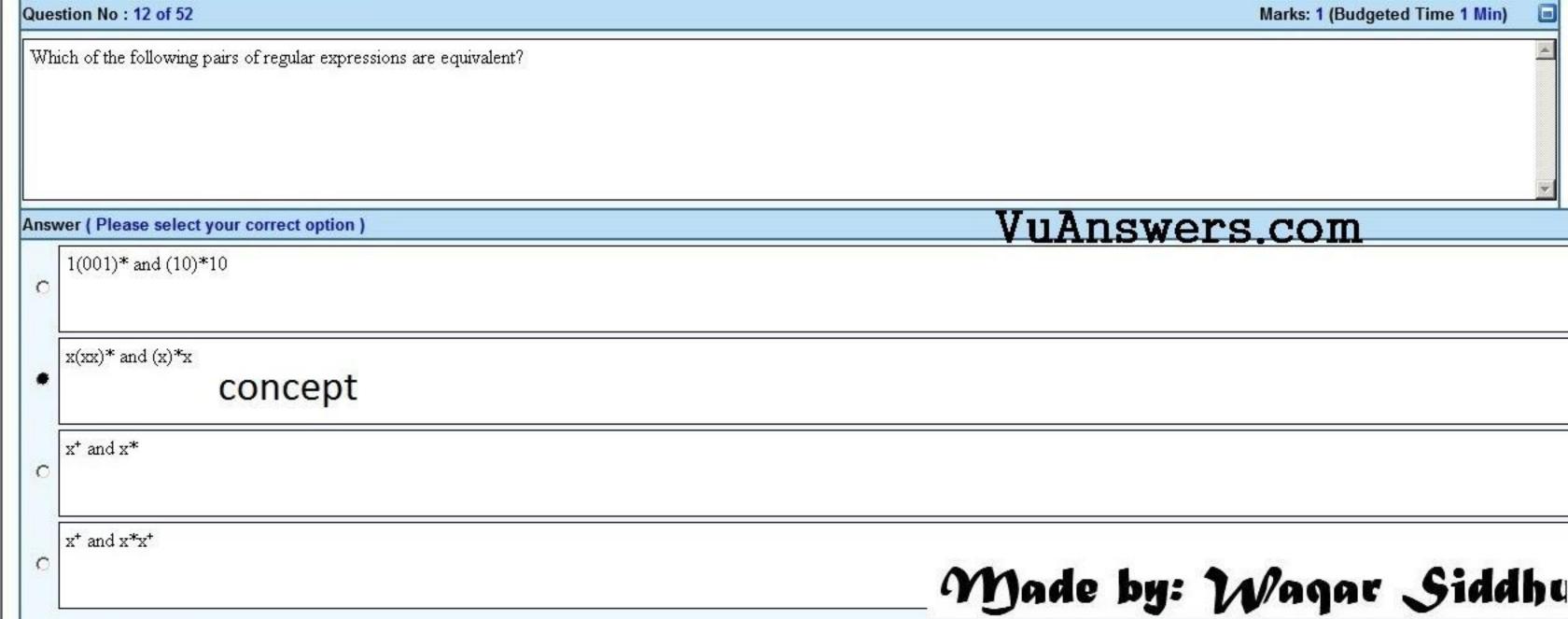
Question No: 7 of 52	Marks: 1 (Budgeted Time 1 Min)
Even-palindrome is a language	
Answer ( Please select your correct option )	VuAnswers.com
• non-regular conceptual page 70	
regular	
regular but infinite	
regular but finite	Made by: Waqar Siddha

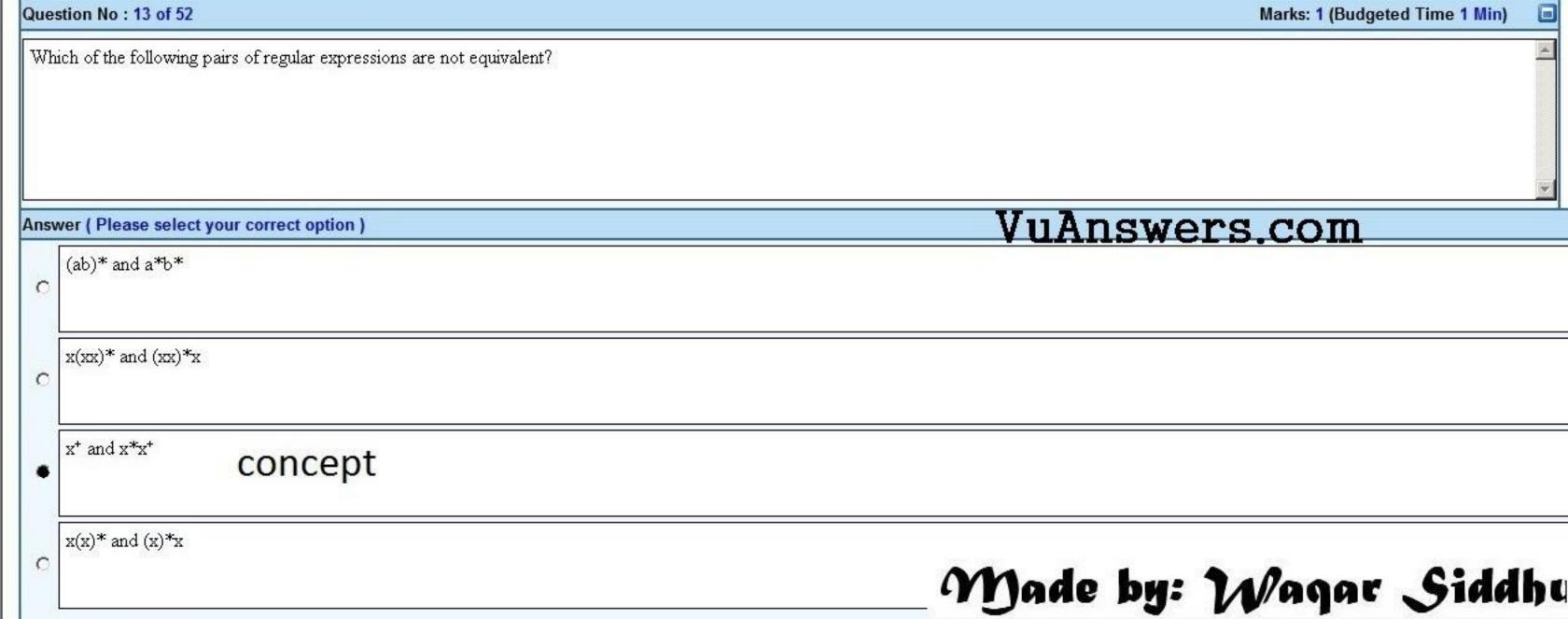
Question No: 8 of 52	Marks: 1 (Budgeted Time 1 Min)
If L1 and L2 are two regular languages, then is/are also regular.	
Answer ( Please select your correct option )	VuAnswers.com
Both L1 U L2 , L1 ∩ L2     concept	
C L1° ∩ L2	
c L1UL2	
c L1∩L2	Made by: Waqar Siddho



Question No : 10 of 52	Marks: 1 (Budgeted Time 1 Min)
Pumping lemma is generally used to prove that:	
Answer ( Please select your correct option )	VuAnswers.com
A given language is infinite	
A given language is not regular Conceptual	
Whether two given regular expressions of a regular language are equivalent or not	
A given language is finite	Made by: Waqar Siddhu

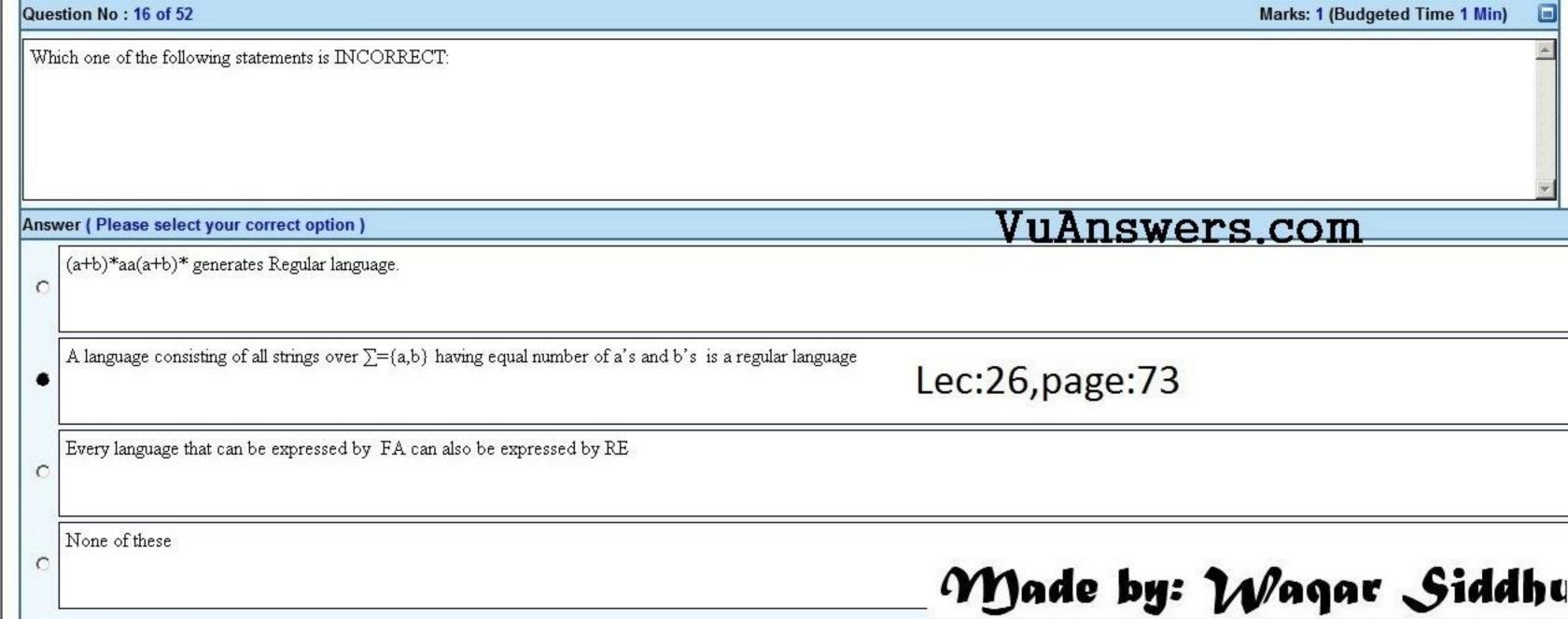




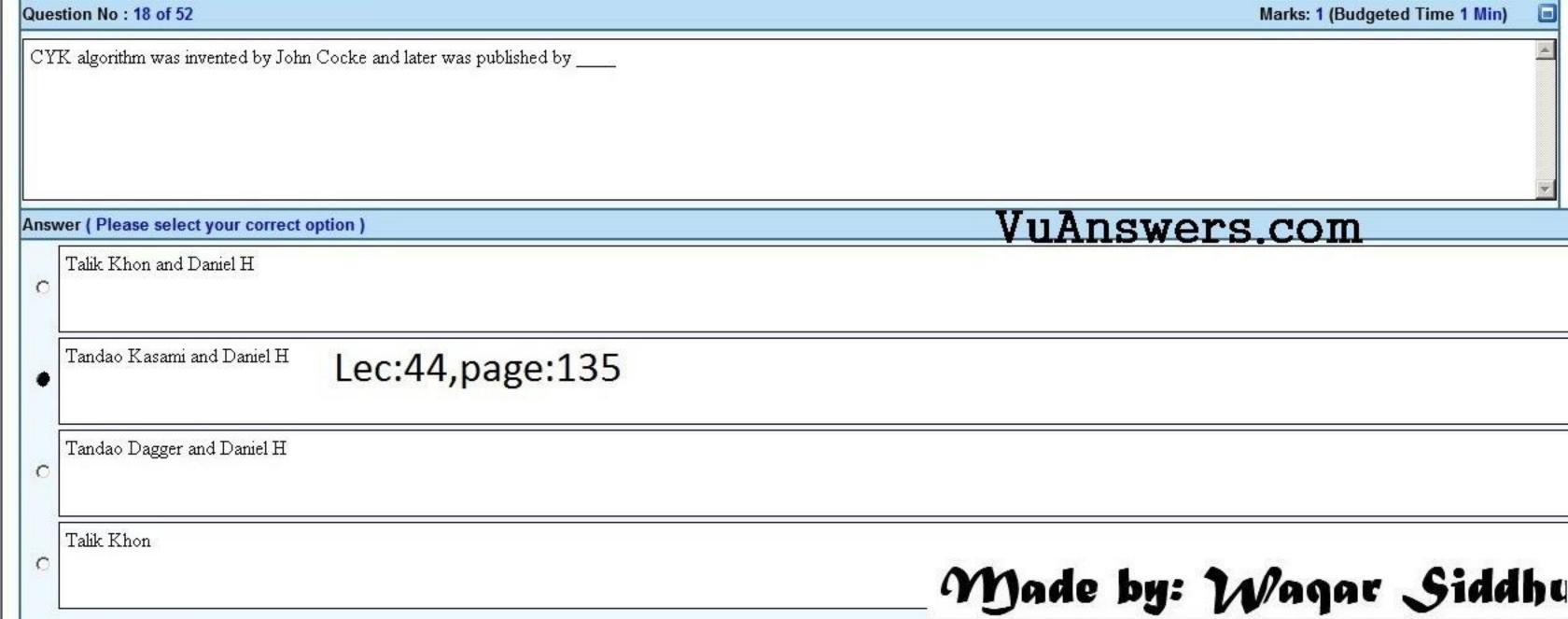


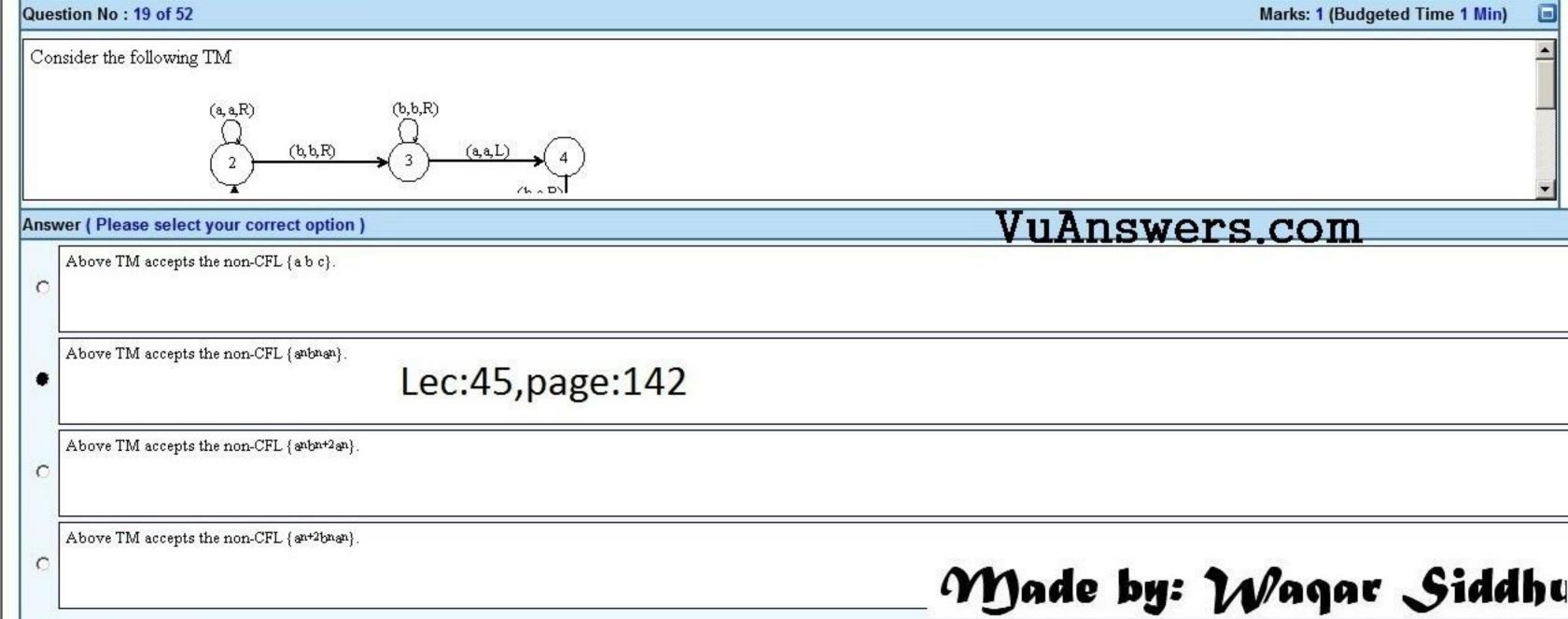
Question No : 14 of 52	Marks: 1 (Budgeted Time 1 Min)
Which of the following statement is correct?	
Answer ( Please select your correct option )	VuAnswers.com
The length of output string is greater than length of input string in moore machine.	
The length of output string is greater than length of input string in mealy machine.	
The length of output string is equal to length of input string in moore machine.	
The length of output string is less than length of input string in mealy machine.	Made by: Wagar Siddhu

Question No : 15 of 52		Marks: 1 (Budgeted Time 1 Min)
There exist	derivations of a certain word in ambiguous grammar.	
Answer ( Please select your	correct option )	VuAnswers.com
more than one		
Exactly one		
exactly two		
no		Made by: Wagar Siddhu



Question No : 17 of 52	Marks: 1 (Budgeted Time 1 Min)
We can also represent an FA using different states e.g. Accept state, Reject state, Read The state behaves as final state of an FA.	State etc.
Answer ( Please select your correct option )	VuAnswers.com
Accept Lec:37,page:105	
СРор	
Push	
Reject	Maqar Siddhu

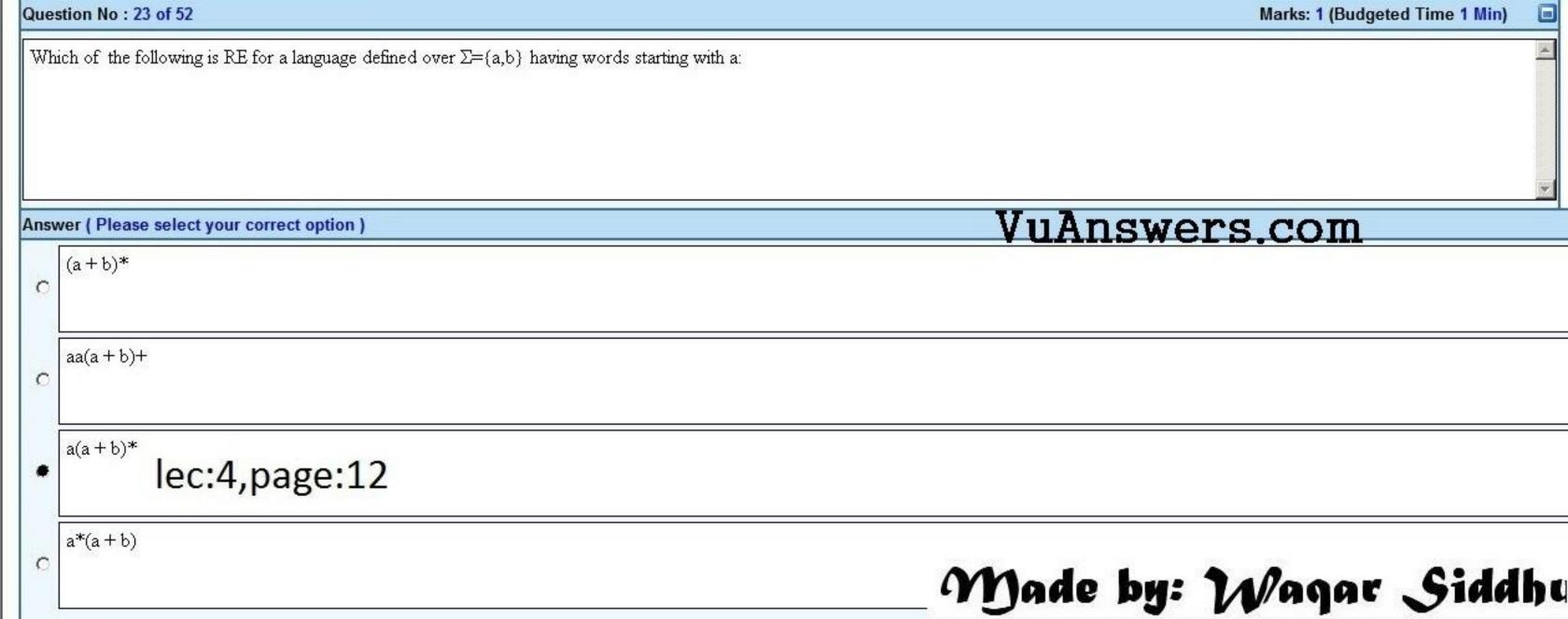




Question No : 20 of 52	Marks: 1 (Budgeted Time 1 Min)
$\Sigma$ = {a,b} then string abbabb has length equal to	
Answer ( Please select your correct option )	VuAnswers.com
C Three	
Four	
Five	
No.of letters in string=length	Made by: Waqar Siddhu

Question No : 21 of 52	Marks: 1 (Budgeted Time 1 Min)
The language generated by CFG is called	
Answer ( Please select your correct option )	VuAnswers.com
C Infinite	
Context Free Language (CFL) Lec:31,page:83	
Regular	
Finite	Made by: Wagar Siddhu

Question No : 22 of 52	Marks: 1 (Budgeted Time 1 Min)
If r1 and r2 are regular expressions then (r1) (r2) is a	
Answer ( Please select your correct option )	VuAnswers.com
• Lec:3,page:9	
TG TG	
c FA	
GTG	Maqar Siddhe



Question No : 24 of 52	Marks: 1 (Budgeted Time 1 Min)
The machine helps in building a machine that can perform the addition of binary number	ers.
Answer ( Please select your correct option )	
Answer ( Flease select your correct option )	VuAnswers.com
lec:22,page:60	
Complementing	
Decrementing	
Multiplication	Made by: Wagar Siddhu

Question No : 25 of 52	Marks: 1 (Budgeted Time 1 Min)
Left hand side of a production in Conext free grammer (CFG) consists of	
Answer ( Please select your correct option )	VuAnswers.com
One terminal	
More than one terminal	
• Cone non-terminal Lec:31,page:87	
Terminals and non-terminals	Made by: Wagar Siddhu

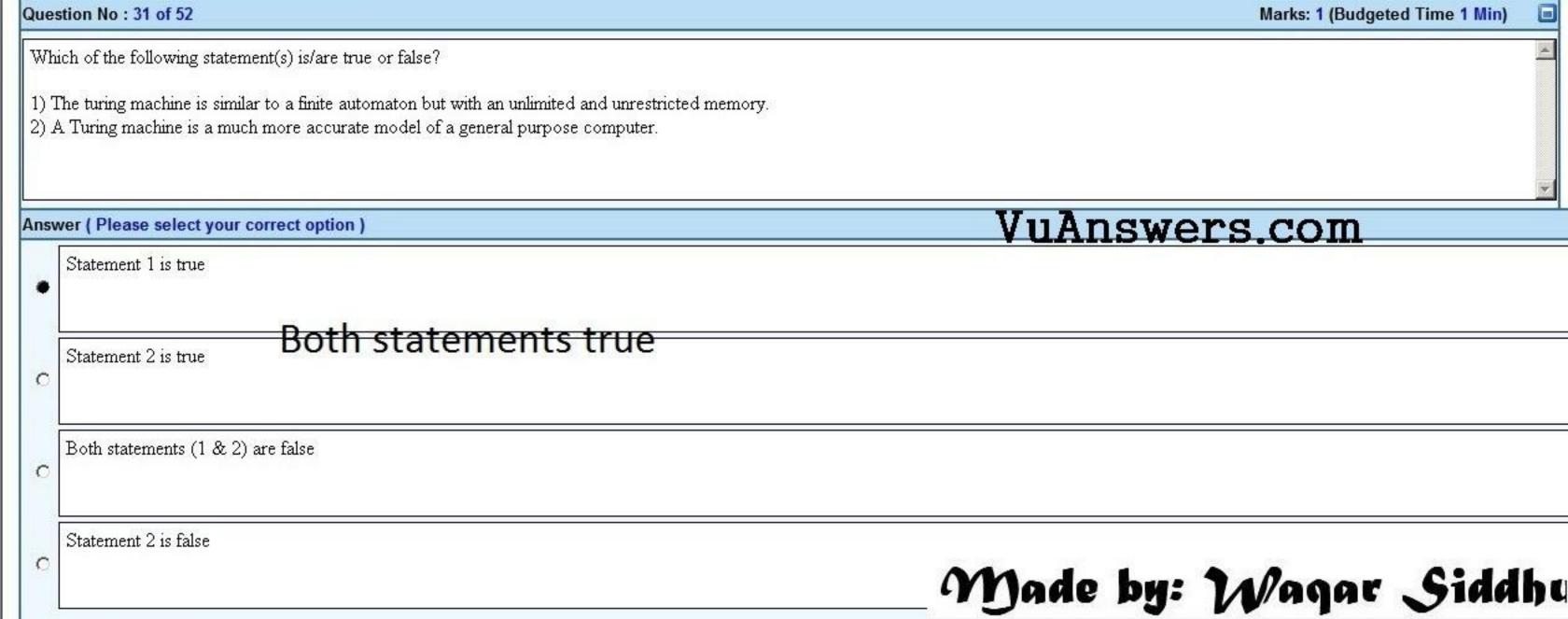
Question No : 26 of 52	Marks: 1 (Budgeted Time 1 Min)
A regular language	
Answer ( Please select your correct option )	VuAnswers.com
Must be finite	
Must be infinite	
Can be finite or infinite	
concept	
Complex Language	
	Made by: Wagar Siddhu

Question No : 27 of 52	Marks: 1 (Budgeted Time 1 Min)
If a language can be expressed by a regular expression, then its complement is	
Answer ( Please select your correct option )	VuAnswers.com
• lec:23,page:66	
Non Regular	
Finite	
Infinite	Made by: Waqar Siddhu

Question No : 28 of 52	Marks: 1 (Budgeted Time 1 Min)
If a given Context Free grammar (CFG) contains a production of the form S→Λ, then	
Answer ( Please select your correct option )	VuAnswers.com
The corresponding CFL is not empty.  concept	
The corresponding CFL is empty.	
The corresponding CFL is not empty if the language is regular	
The corresponding CFL is empty and non regular.	Made by: Waqar Siddha

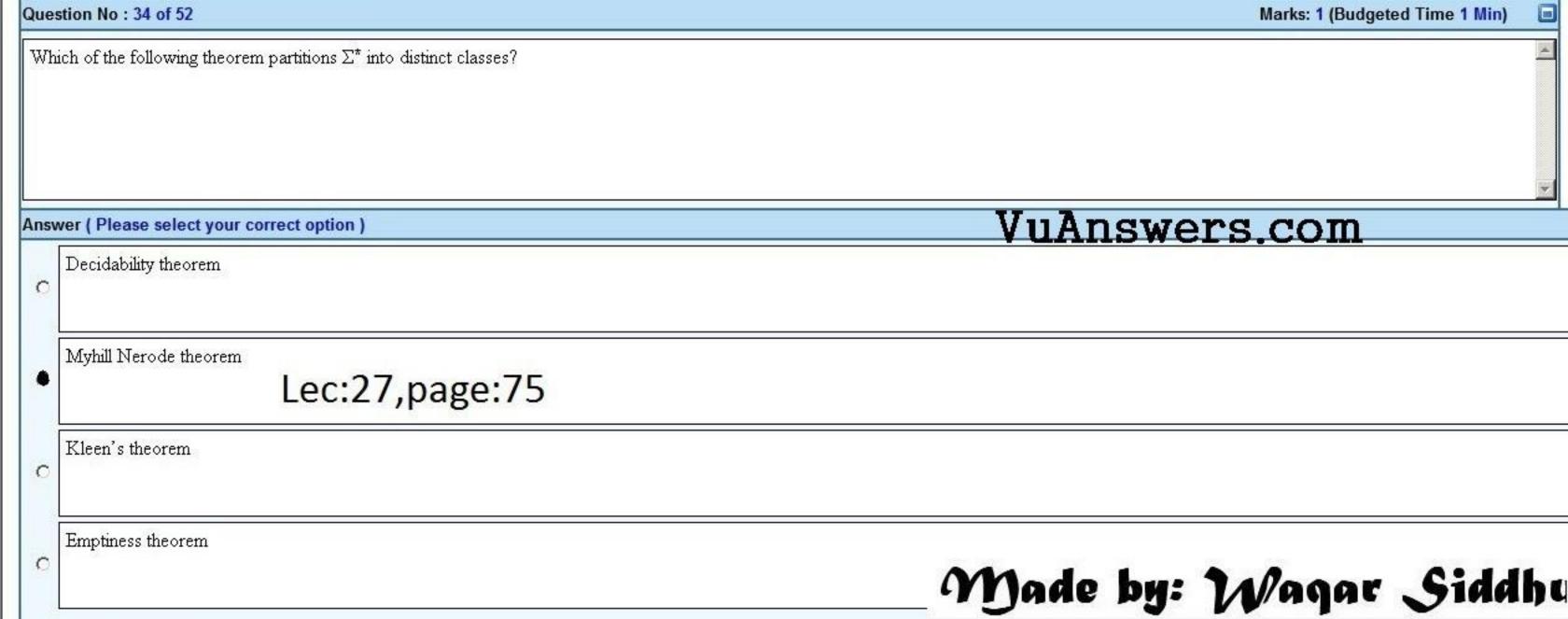
Question No : 29 of 52	Marks: 1 (Budgeted Time 1 Min)
Can a turing machine's head ever be in the same location in two successive steps?	
Answer ( Please select your correct option )	VuAnswers.com
C Yes	Y UMILS WELS, COIII
Yes but only in finite languages	
No No	
Yes but only in infinite langauges	Made by: Wagar Siddhu

Question No : 30	of 52	Marks: 1 (Budgeted Time 1 Min)
In	there are Finite set of states containing exactly one START state and	I some (may be none) HALT states that cause execution to terminate, when the HALT states are entered.
Answer ( Please s	select your correct option )	VuAnswers.com
TG		
Turing Mach	Lec 45	
GTG		
Finite Autom	nata	Made by: Wagar Siddh

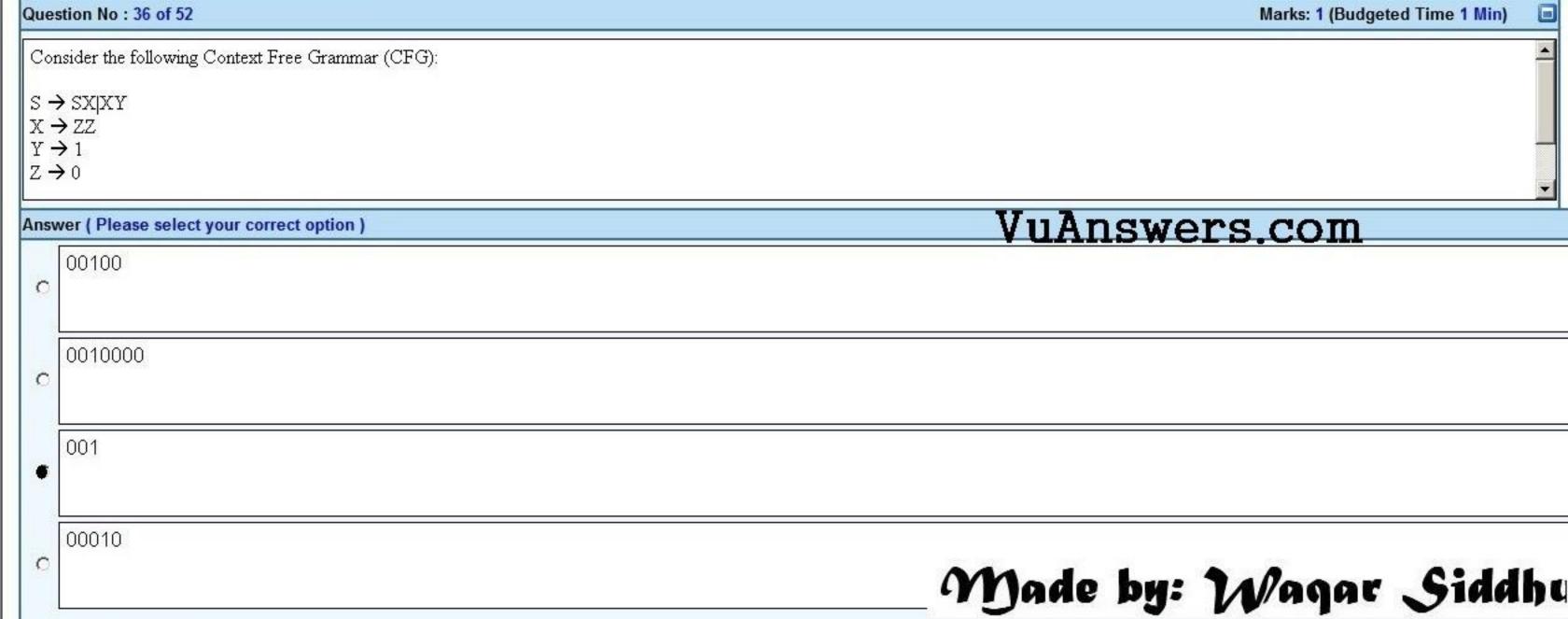


Question No : 32 of 52		Marks: 1 (Budgeted Time 1 Min)
We can have more than one parse trees for a given string in case of	Context Free Grammar (CFG).	
Answer ( Please select your correct option )		VuAnswers.com
vague		
* Lec:33,page:95		
hazy		
simple		Made by: Waqar Siddh



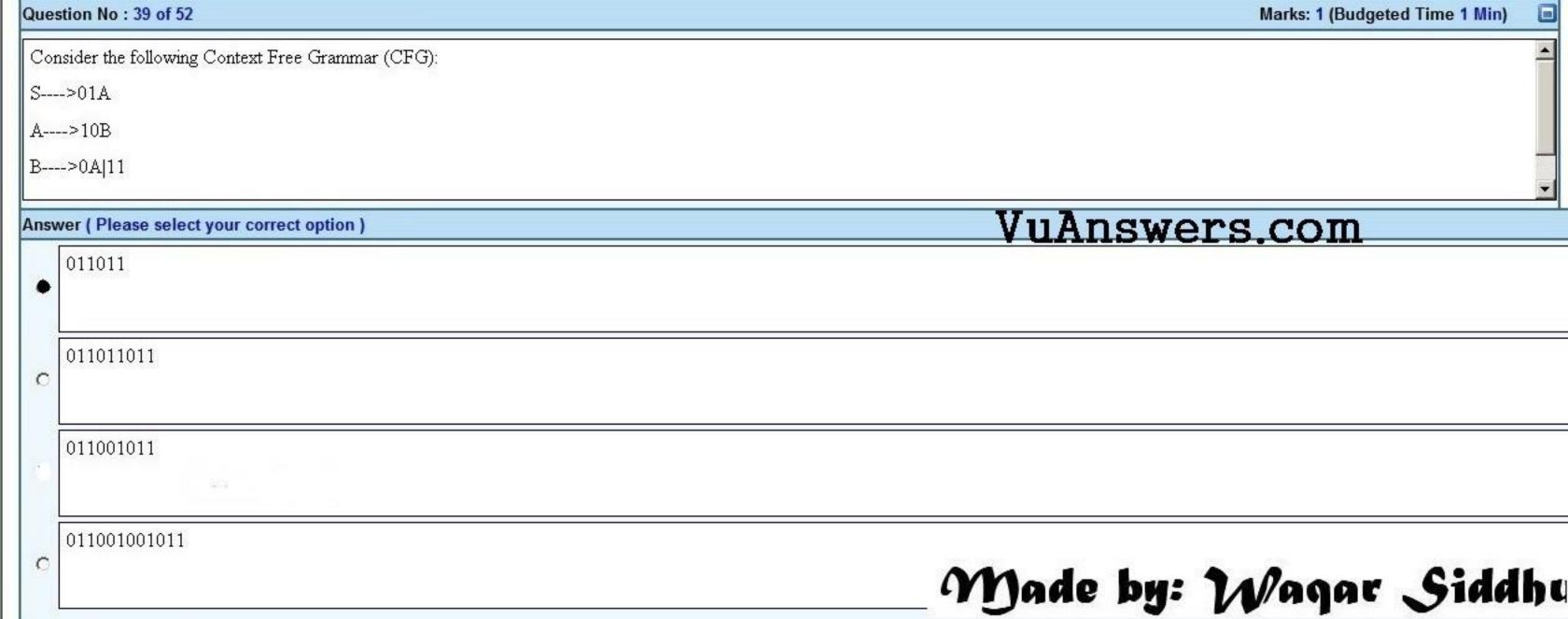


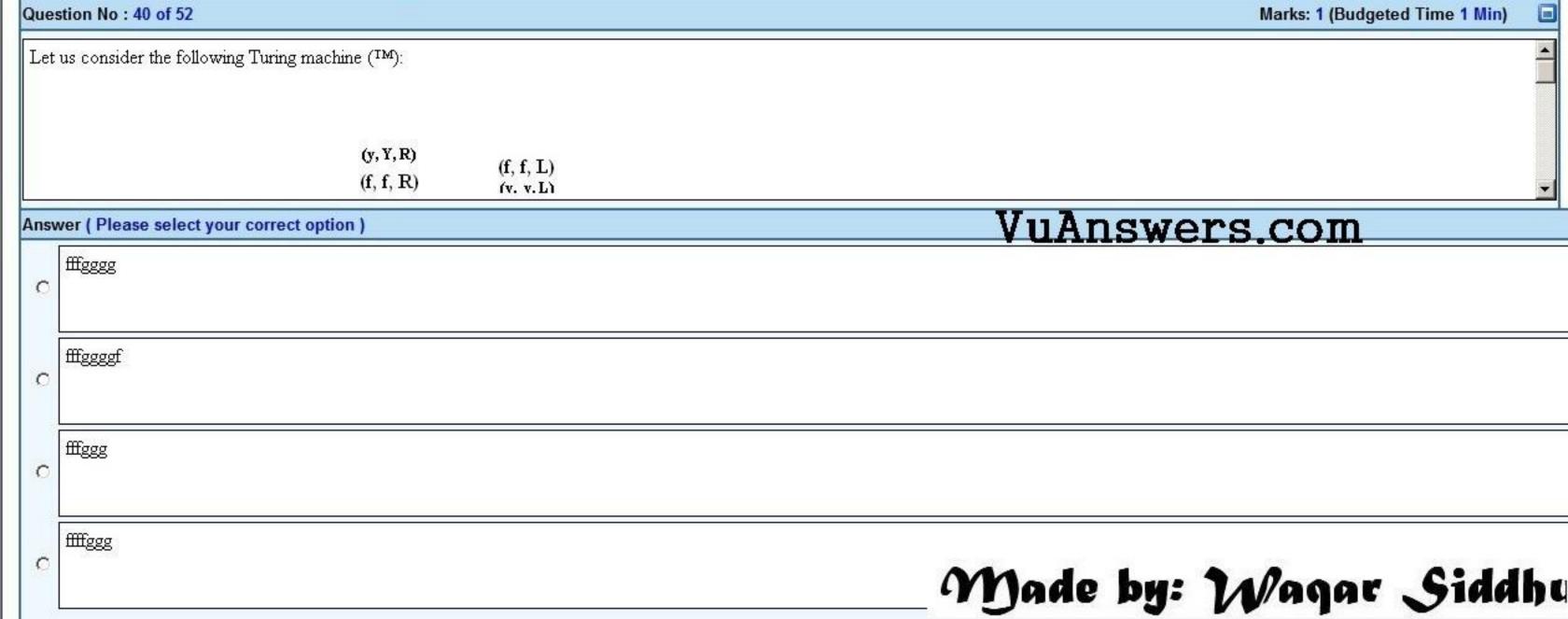
Question No : 35 of 52	Marks: 1 (Budgeted Time 1 Min)
The languages are supposed to be in case of testing pumping lemma.	
Answer ( Please select your correct option )	VuAnswers.com
C context free	V UMILS WELD, COM
irregular	
both regular and irregular	
regular	Made by: Waqar Siddhu

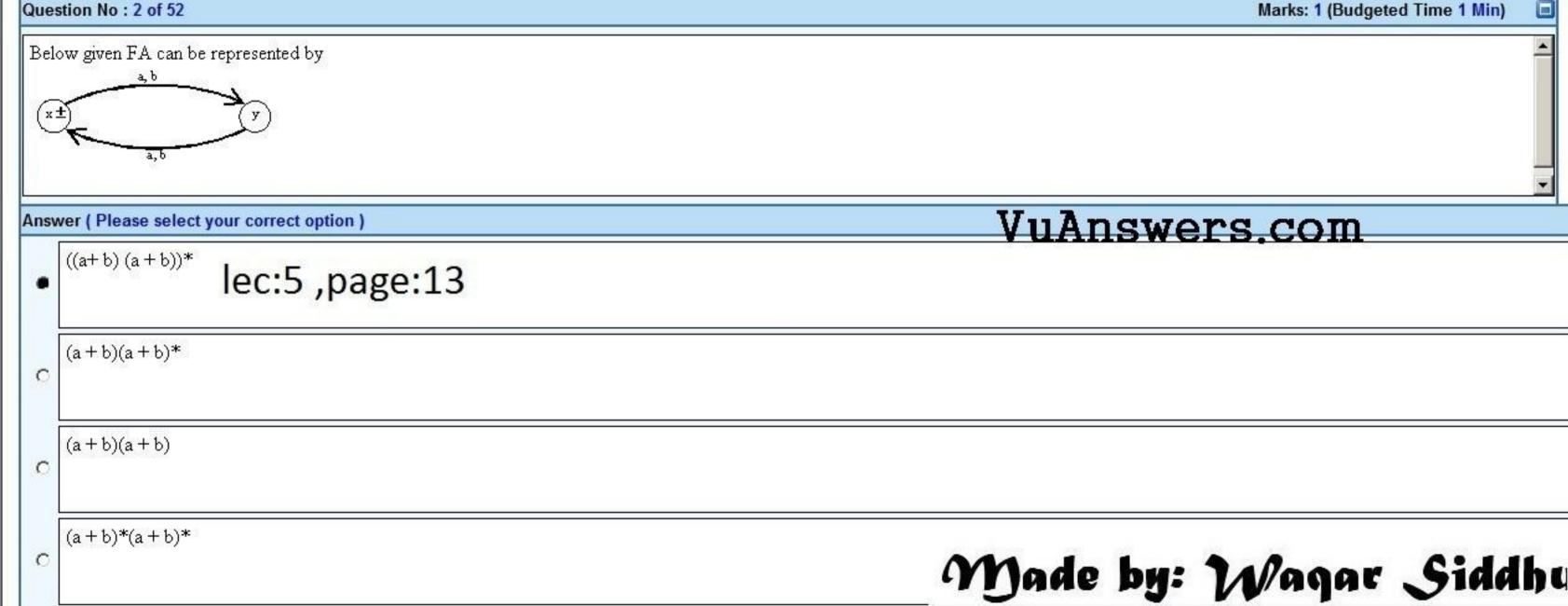


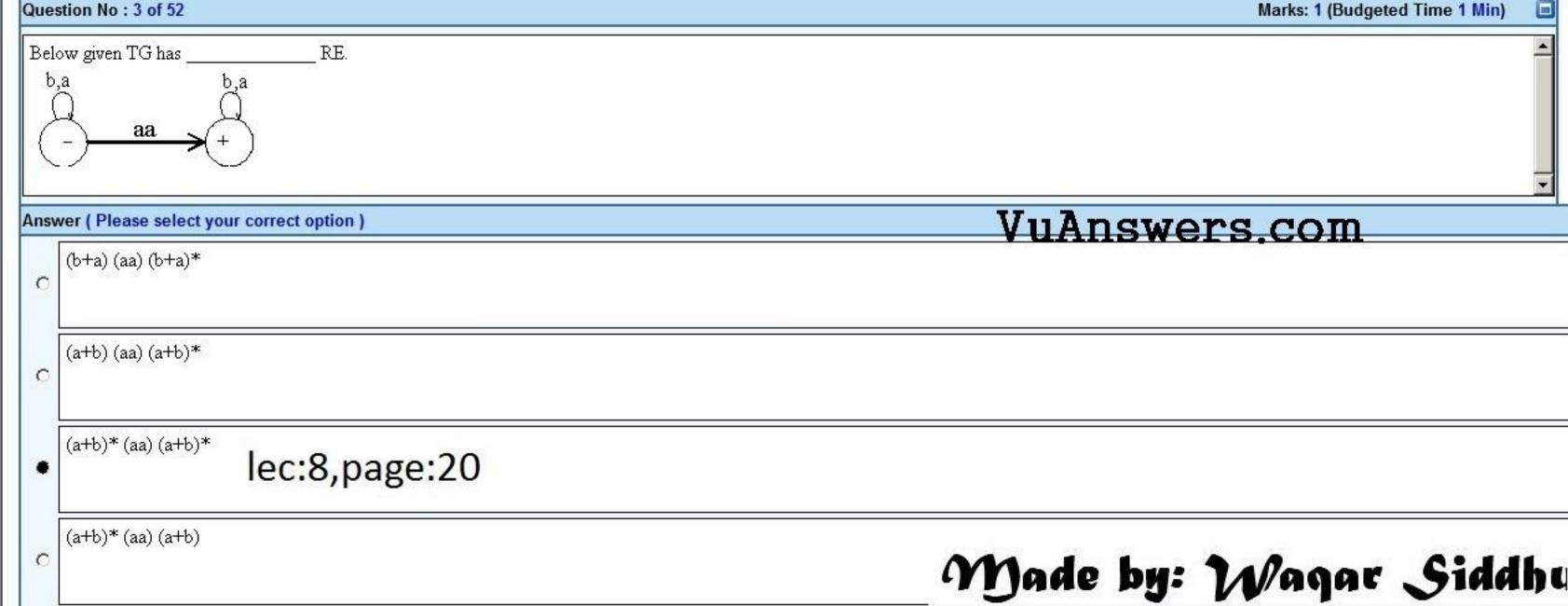
Question No : 37 of 52	Marks: 1 (Budgeted Time 1 Min)
A read state can have outgoing edge/ edges.	
Answer ( Please select your correct option )	VuAnswers.com
c 1	
2	
c 3	
Any number of Lec:38,page:112	Made by: Waqar Siddhu

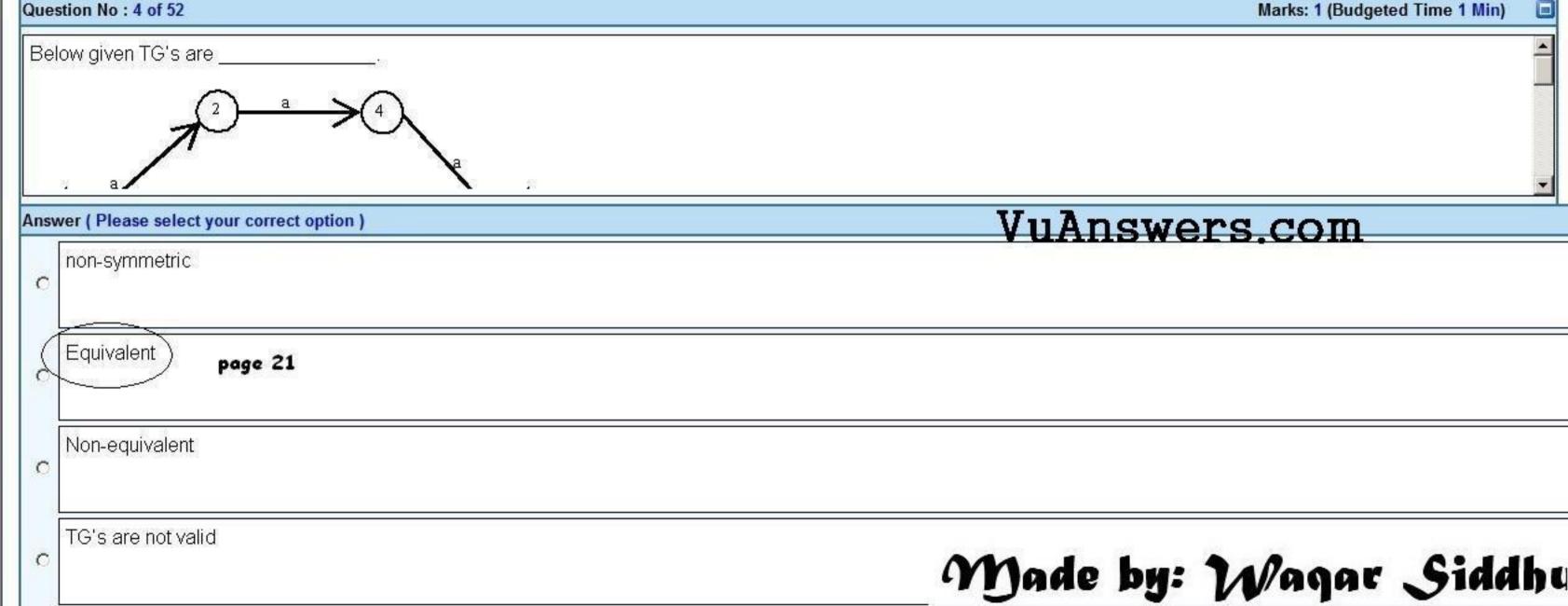
Question No : 38 of 52	Marks: 1 (Budgeted Time 1 Min)
Which of the following states do not have outgoing edges:	
Answer ( Please select your correct option )	VuAnswers.com
Start	
Read	
Pop	
Accept Lecture 37	Made by: Wagar Siddhu





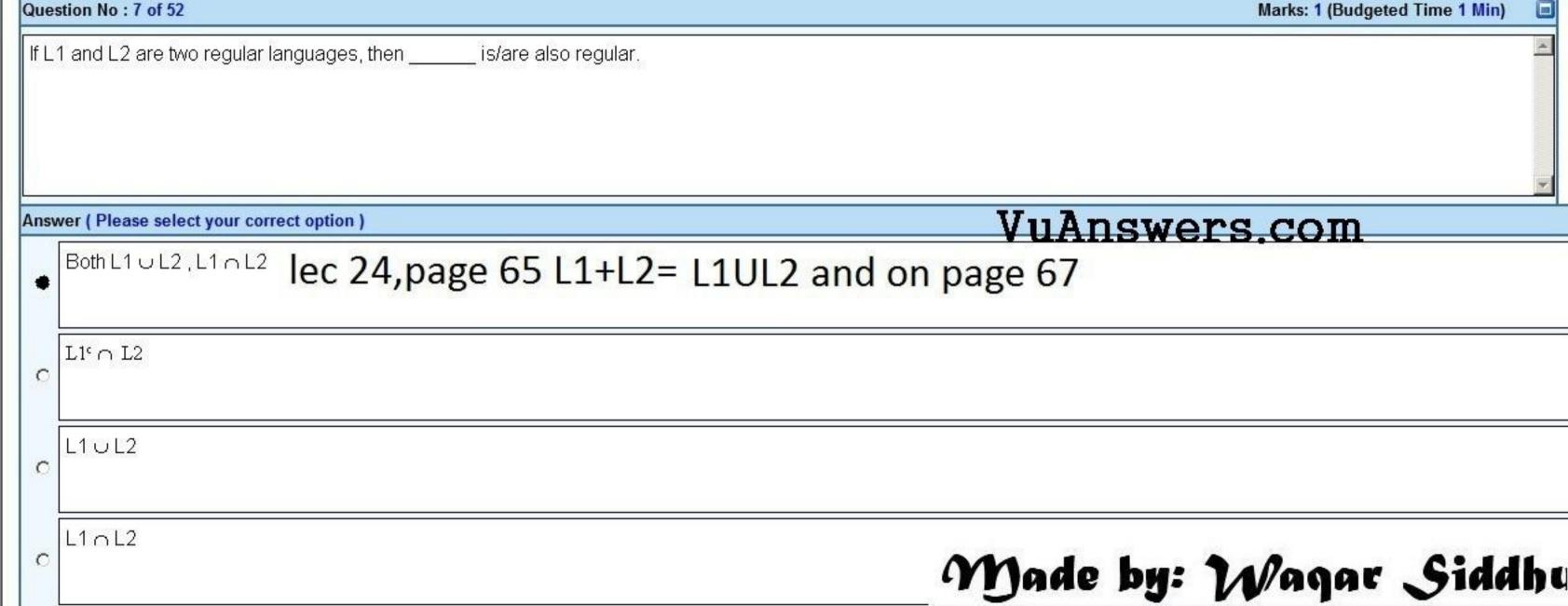


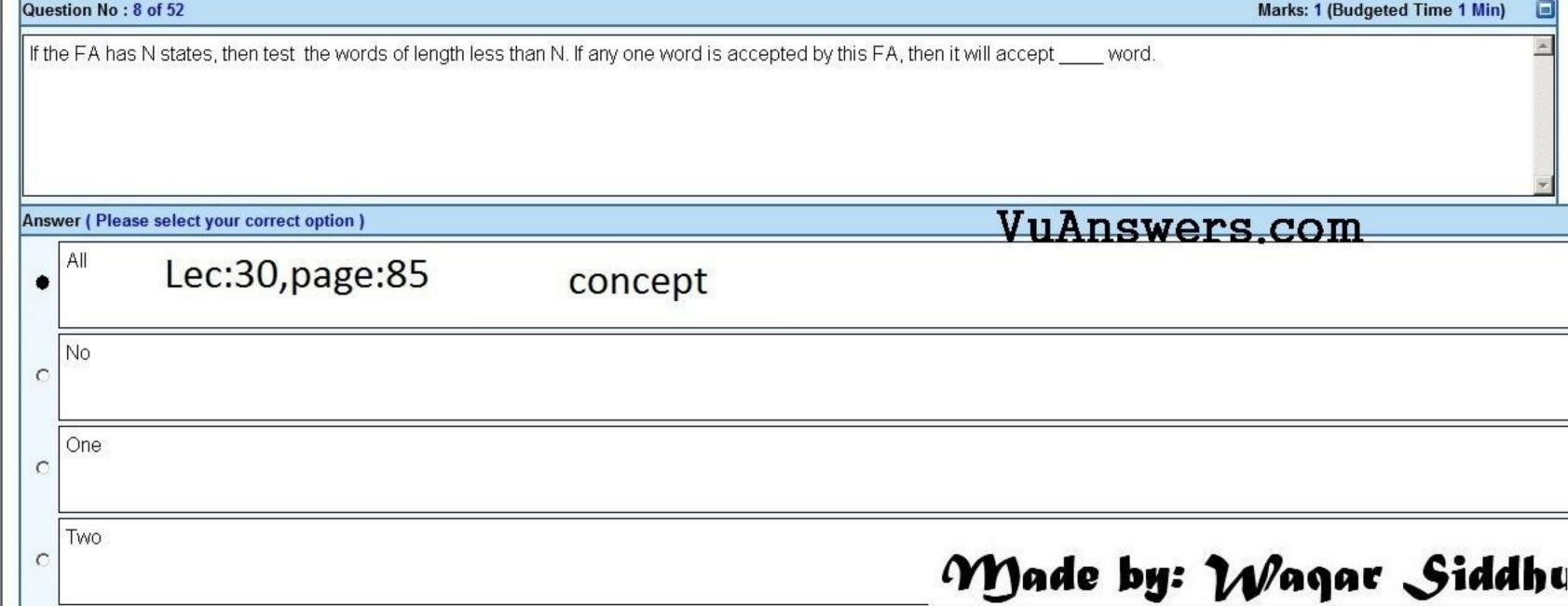


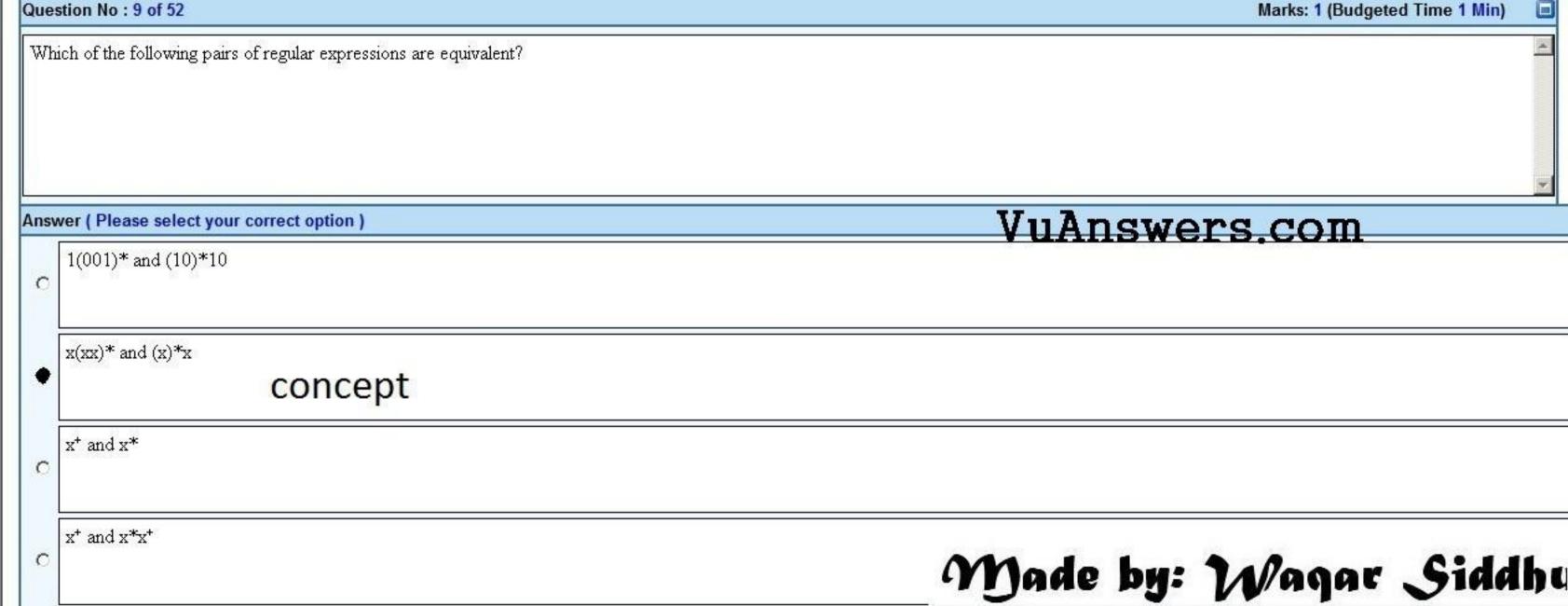


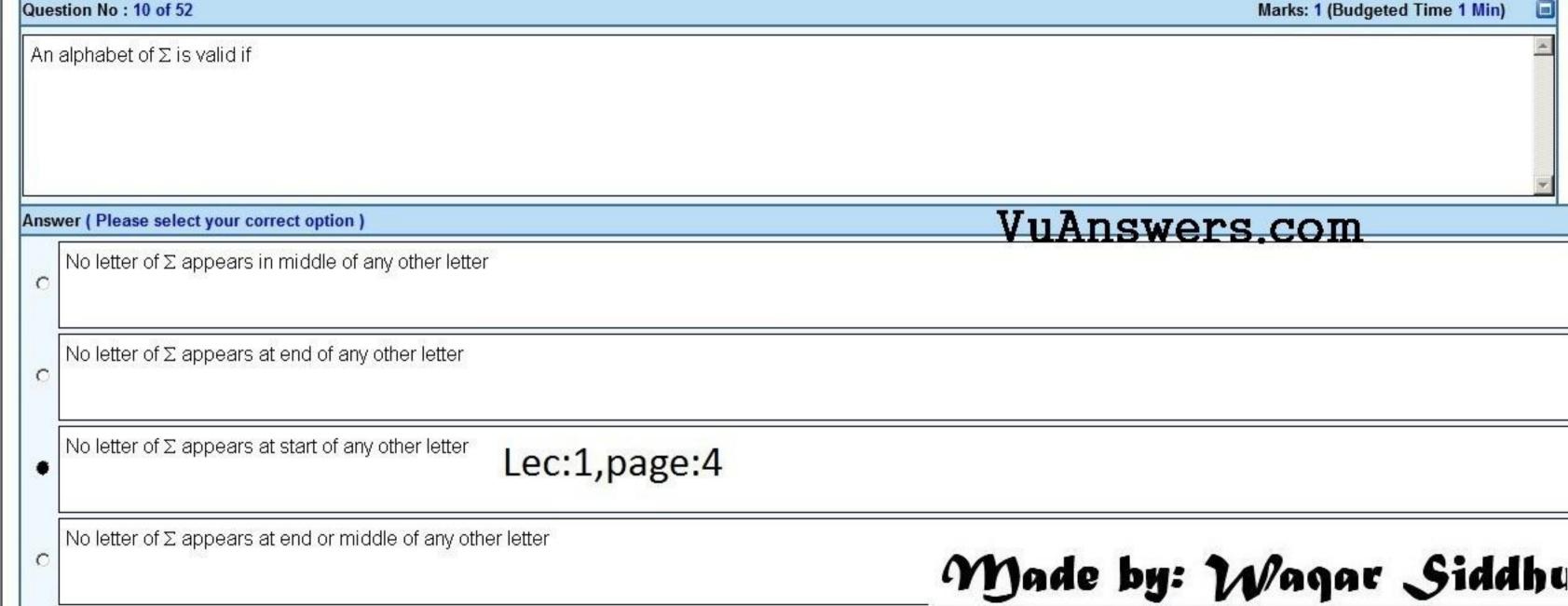
Question No : 5 of 52	Marks: 1 (Budgeted Time 1 Min)
"One GTG can generate language".	
Answer ( Please select your correct option )	VuAnswers.com
more than one	
• Concept	
only two	
only three	Made by: Wagar Siddhu

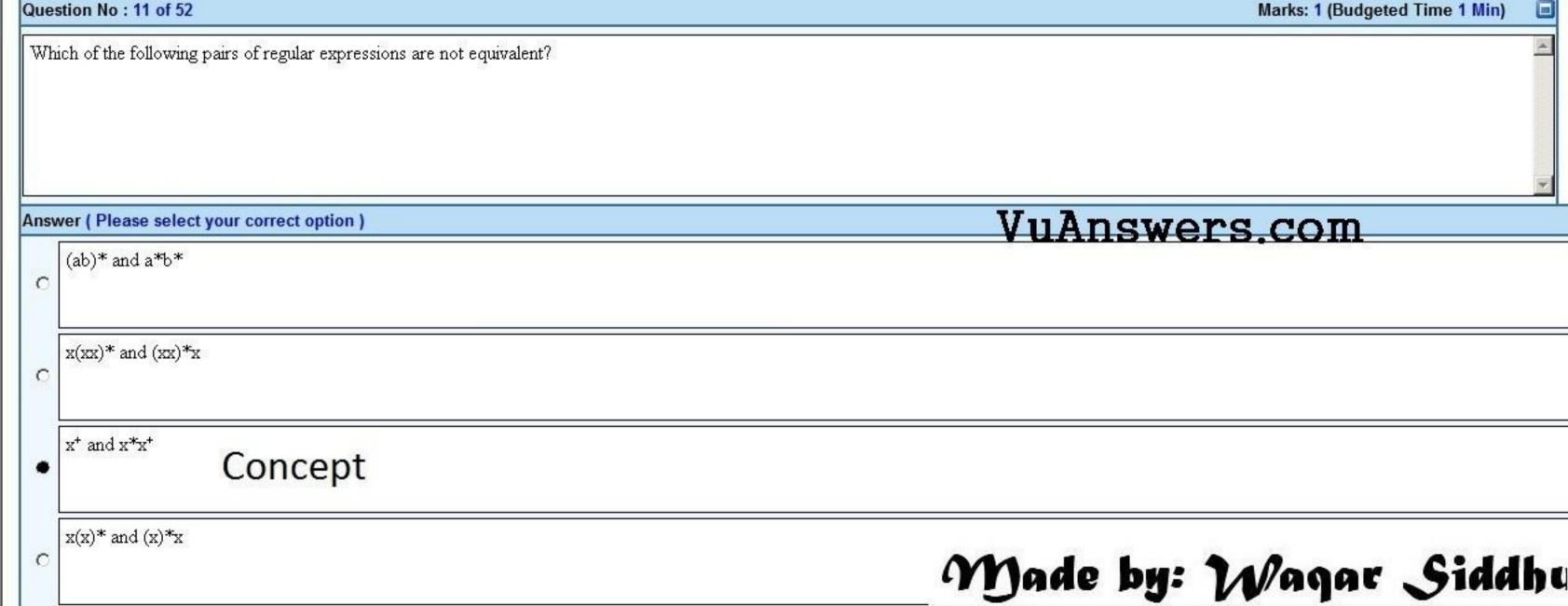
Question No : 6 of 52	Marks: 1 (Budgeted Time 1 Min)
Even-palindrome is a language	
Answer ( Please select your correct option )	VuAnswers.com
Lec:25,page:71	
regular	
regular but infinite	
regular but finite	Made by: Wagar Siddhu











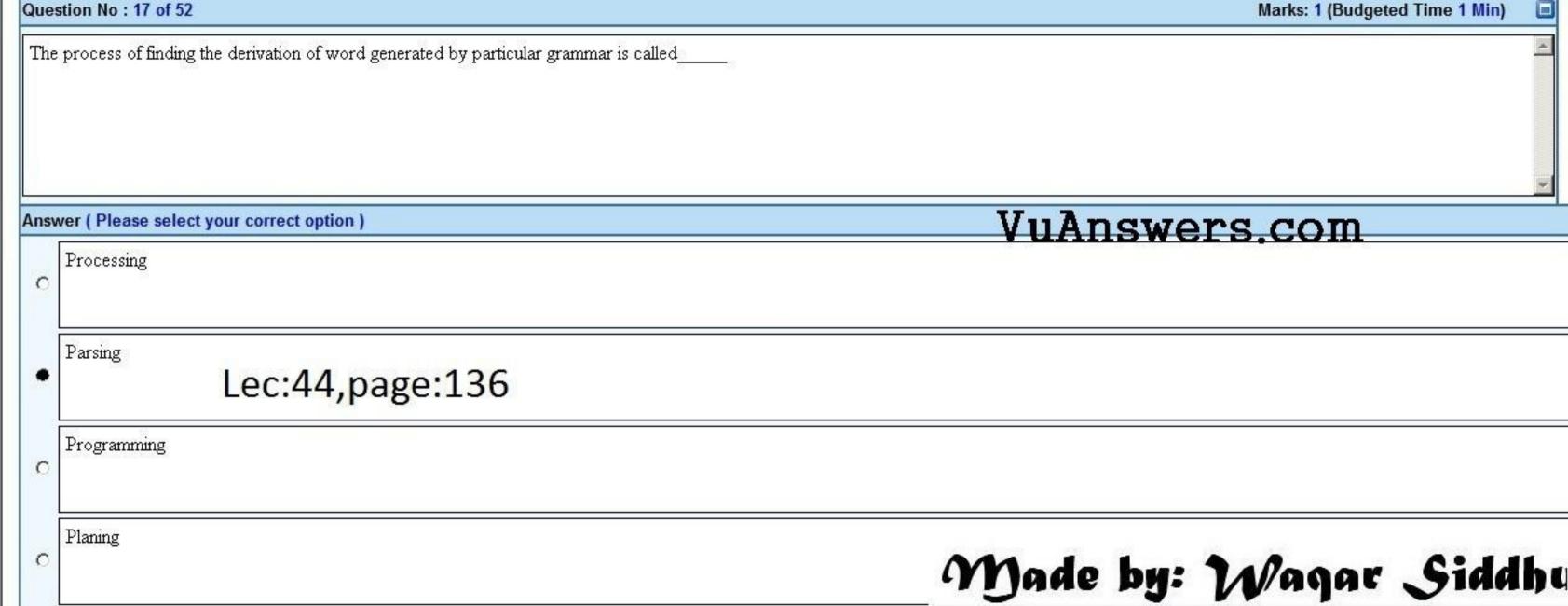
Question No : 12 of 52		Marks: 1 (Budgeted Time 1 Min)
There exist	derivations of a certain word in ambiguous grammar.	
Answer ( Please selec	ct your correct option )	VuAnswers.com
more than one		
Exactly one		
exactly two		
no		Made by: Wagar Siddh

Question No : 13 of 52	Marks: 1 (Budgeted Time 1 Min)
Regular languages are closed under	
Answer ( Please select your correct option )	VuAnswers.com
Union and Concatenation Concept	
C Union and Division	
Union and Exponent	
Union and Factorial	Made by: Wagar Siddhu

Question No : 14 of 52	Marks: 1 (Budgeted Time 1 Min)
Which one of the following statements is INCORRECT:	
Answer ( Please select your correct option )	VuAnswers.com
A language consisting of all strings over ∑={a,b} having equal number of a's and b's is a regular language	Lec:26,page:73
Every language that can be expressed by FA can also be expressed by RE	
None of these	
(a+b)*aa(a+b)* generates Regular language.	Made by: Wagar Siddhu

Question No : 15 of 52	Marks: 1 (Budgeted Time 1 Min)
TM is more powerful than FSM because	
Answer ( Please select your correct option )	VuAnswers.com
The tape movement is confined to one direction	Y UALISWEL S.COIII
It has no finite state control	
It has the capability to remember arbitrary long sequences of input symbols	
The tape movement is confined to more than one directions	Made by: Wagar Siddhu

Question No : 16 of 52	Marks: 1 (Budgeted Time 1 Min)
CYK algorithm was invented by John Cocke and later was published by	
Answer ( Please select your correct option )	VuAnswers.com
Talik Khon and Daniel H	
Tandao Kasami and Daniel H lec:44,page:135	
Tandao Dagger and Daniel H	
Talik Khon	Made by: Waqar Siddhe

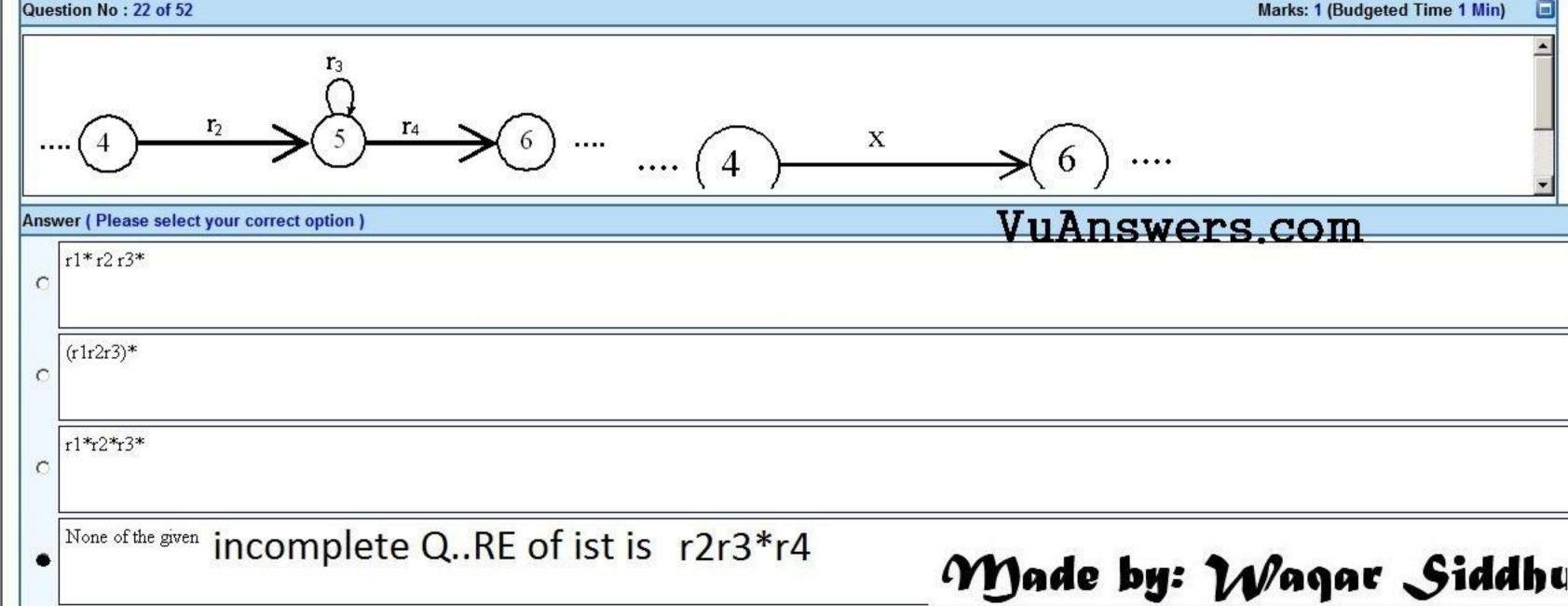


Question No : 18 of 52	Marks: 1 (Budgeted Time 1 Min)
There are different parsing techniques, including	
Answer ( Please select your correct option )	VuAnswers.com
C Top down parsing	
Bottom up parsing	
Parsing technique for particular grammar of arithmetic expression	
All of these Lec:44,page:136	Made by: Wagar Siddho

Question No : 19 of 52	Marks: 1 (Budgeted Time 1 Min)
Σ={a,Aa,Abb}, then string aAaAbbAa has length equal to	
Answer ( Please select your correct option )	VuAnswers.com
C Three	
Four concept	
One	
Two	Made by: Wagar Siddhu

Question No : 20 of 52	Marks: 1 (Budgeted Time 1 Min)
The language generated by CFG is called	
Answer ( Please select your correct option )	VuAnswers.com
C Infinite	
Context Free Language (CFL) Lec:31,page:88	
Regular	
Finite	Made by: Wagar Siddhe

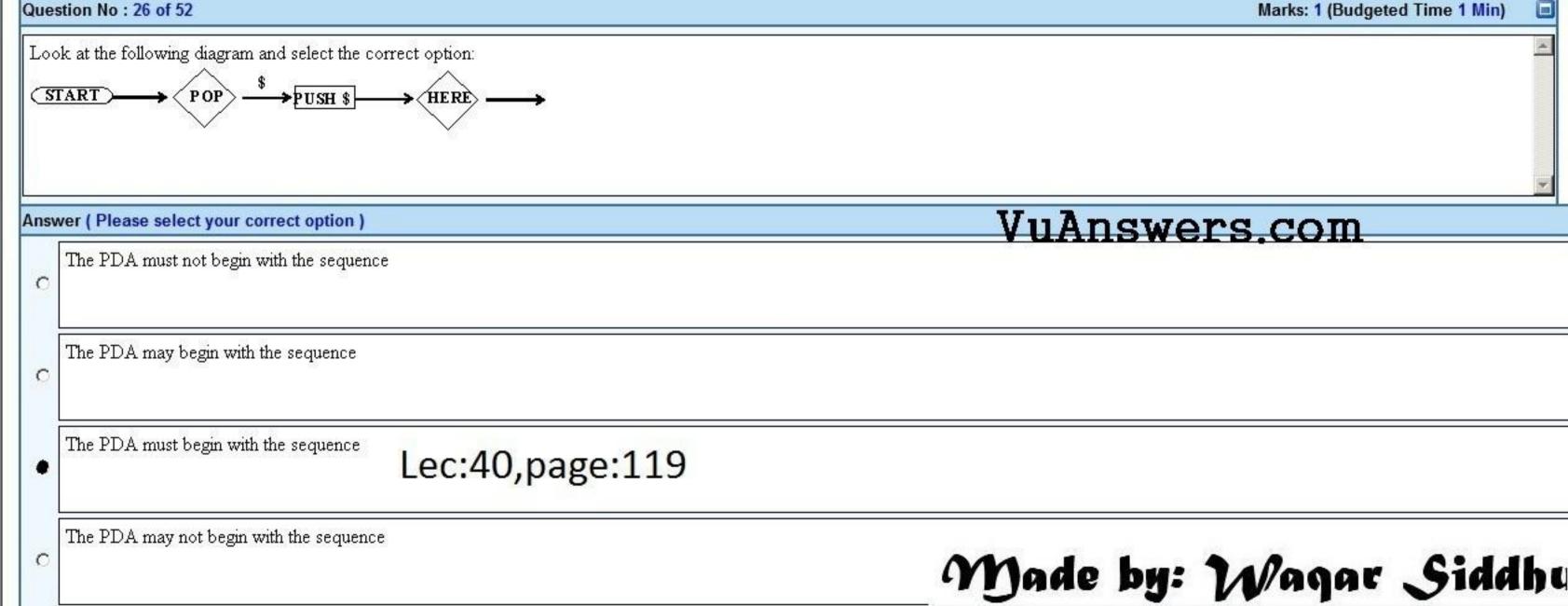
Question No : 21 of 52	Marks: 1 (Budgeted Time 1 Min)
In there must be transition for all letters.	
Answer ( Please select your correct option )  NFA	VuAnswers.com
FA Lec:4,page:11	
TG TG	
GTG	Made by: Wagar Siddhu

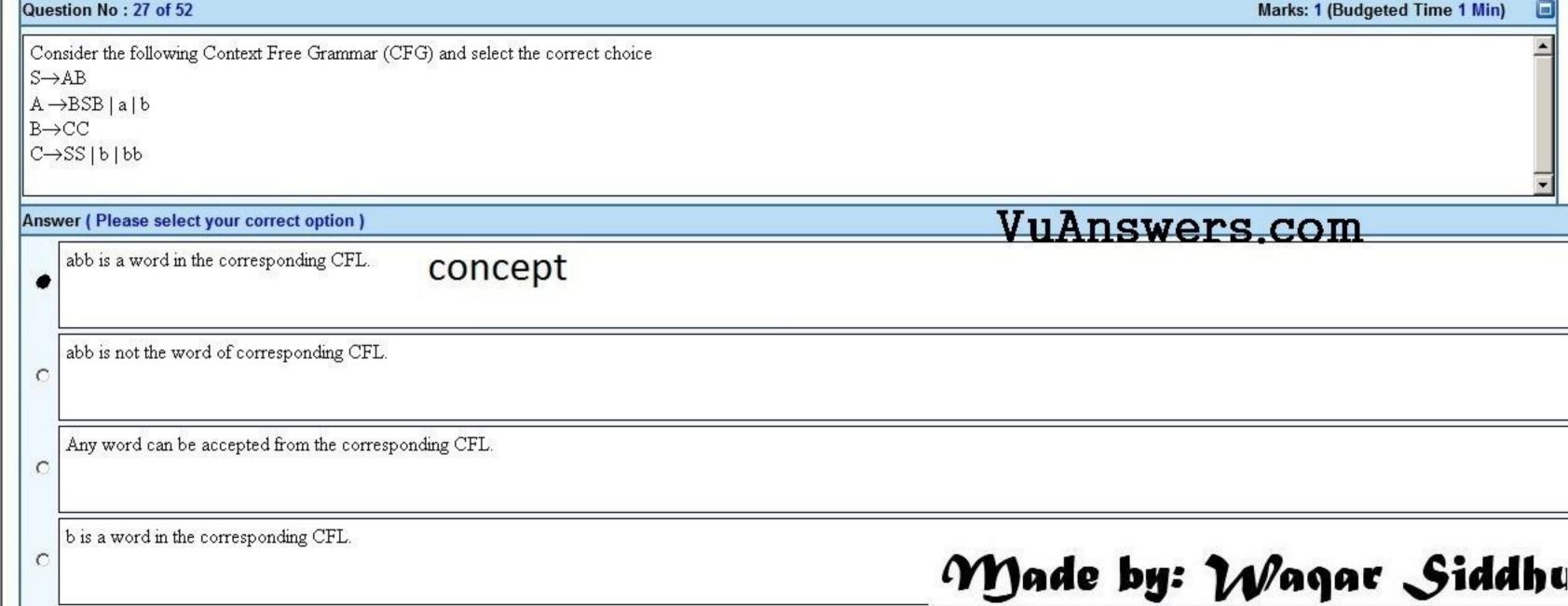


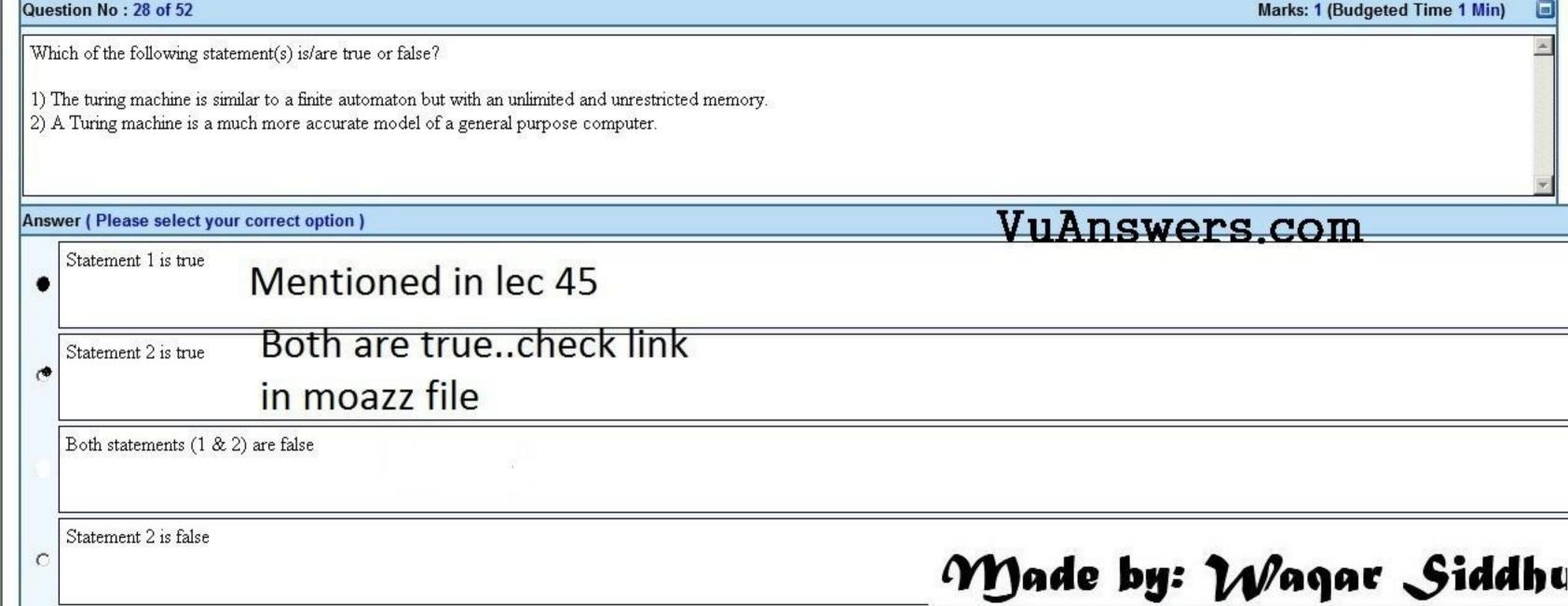
Question No : 23 of 52	Marks: 1 (Budgeted Time 1 Min)
A regular language	
Answer ( Please select your correct option )	VuAnswers.com
Must be finite	
Must be infinite	
Can be finite or infinite	
concept	
Complex Language	
C	Made by: Wagar Siddhu

Question No : 24 of 52	Marks: 1 (Budgeted Time 1 Min)
If a language can be expressed by a regular expression, then its complement is	
Answer ( Please select your correct option )	VuAnswers.com
Regular Lec:24,page:66	
Non Regular	
Finite	
C Infinite	Made by: Wagar Siddhu

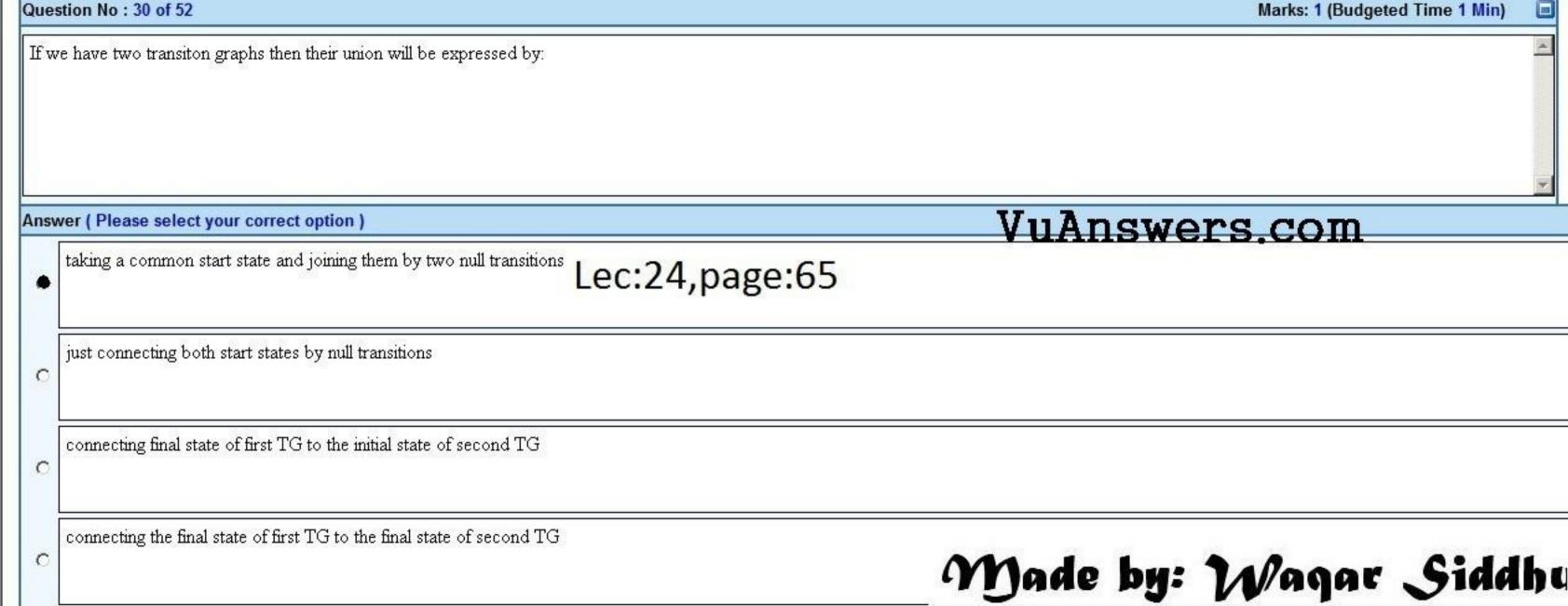
Question No : 25 of 52	Marks: 1 (Budgeted Time 1 Min)
For every Context Free Grammar (CFG), we can make the corresponding	
Answer ( Please select your correct option )	VuAnswers.com
C FA	
TG	
• Lec:39,page:111	
Regular Grammar	Made by: Wagar Siddhu

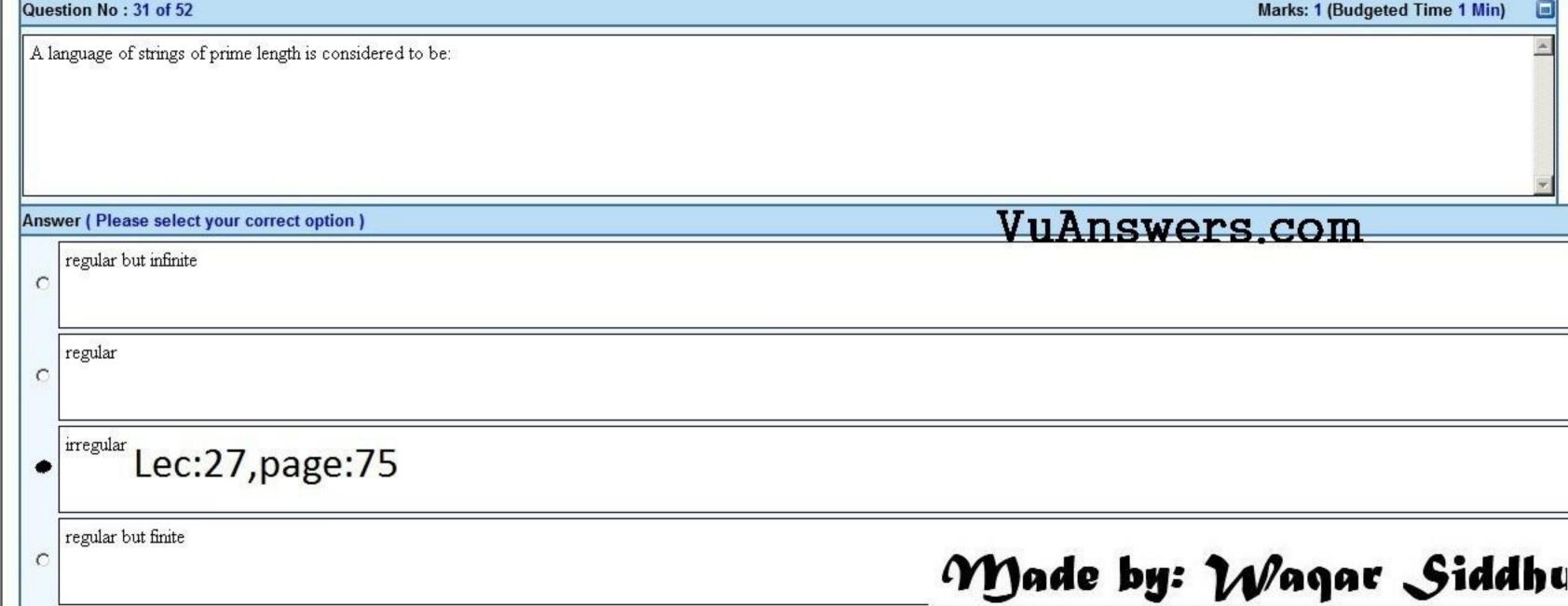






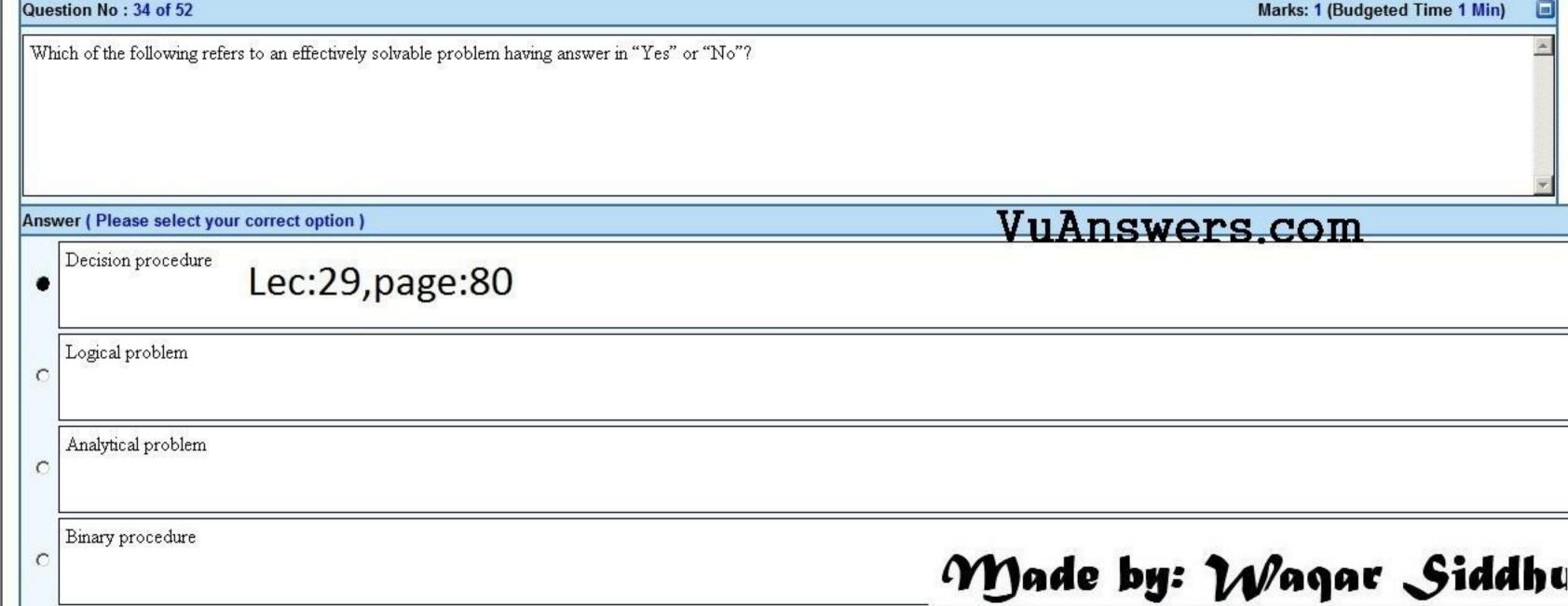
Question No : 29 of 52	Marks: 1 (Budgeted Time 1 Min)
Language of strings having even number of a's is considered to be:	
Answer ( Please select your correct option )	VuAnswers.com
• Lec:3,page:9	
Irrelgular	
Irregular and infinite	
Irregular and finite	Made by: Wagar Siddhe

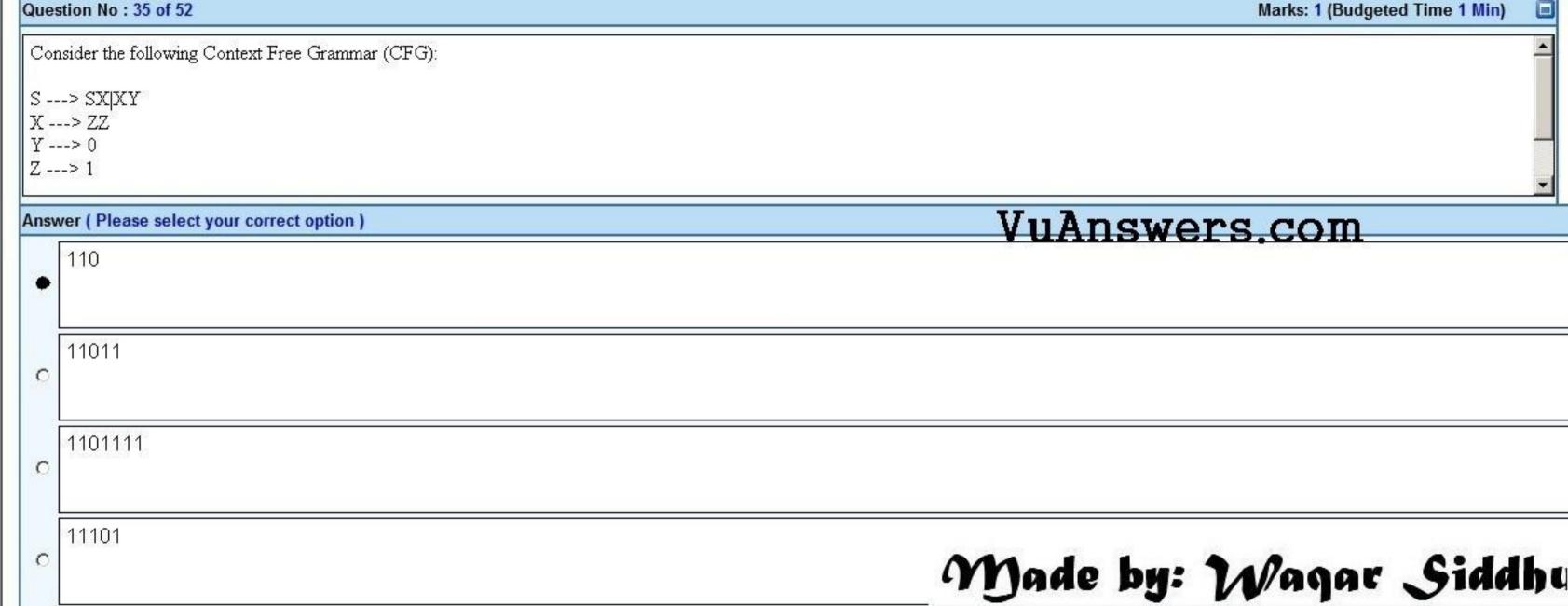


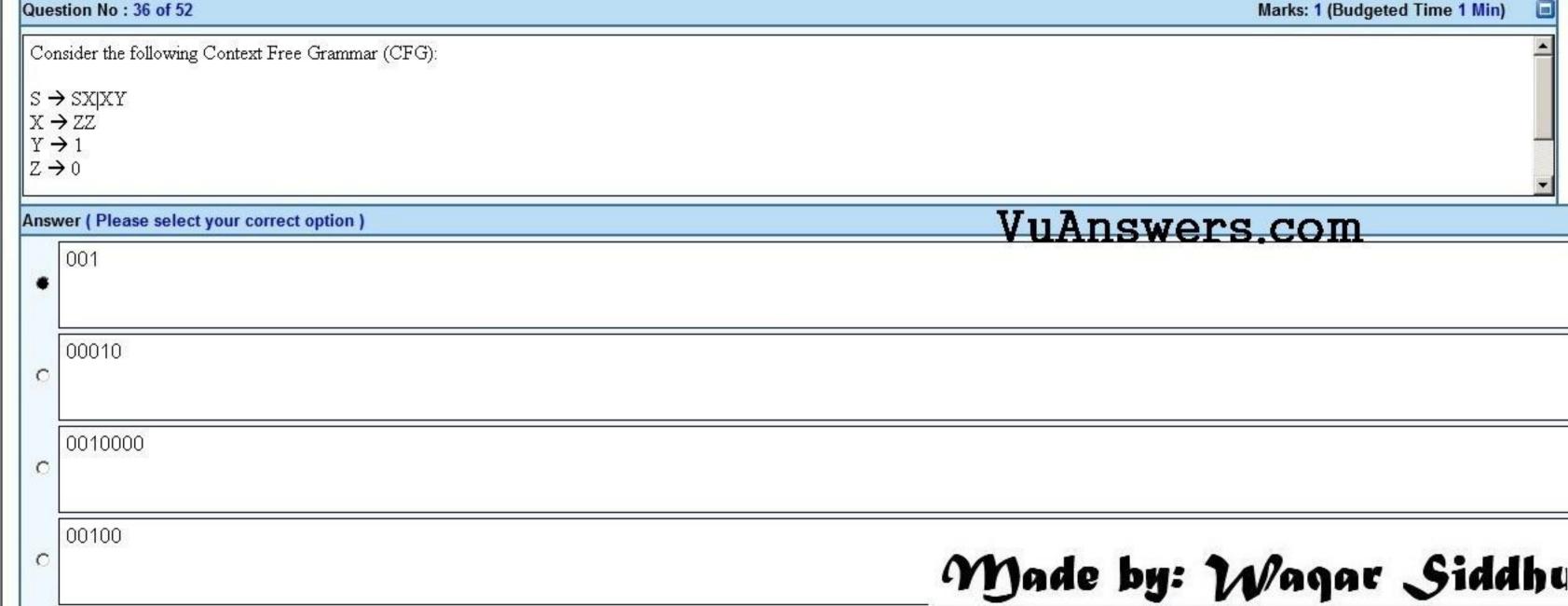


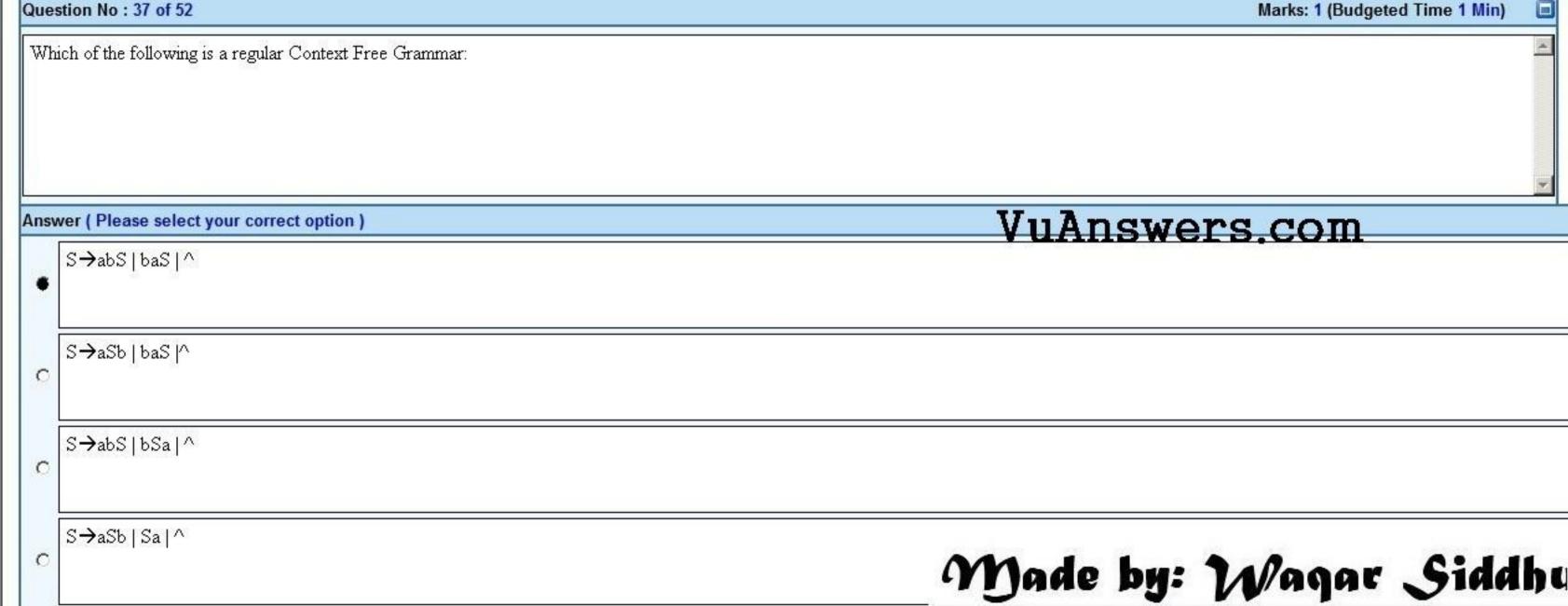
Question No : 32 of 52	Marks: 1 (Budgeted Time 1 Min)
and are removed in order to make a CFG in Chomsky	Normal Form (CNF).
Answer ( Please select your correct option )	VuAnswers.com
Null, nullable productions	
Nullable, unit productions	
Null, unit productions Lec:36,page:102	
Strings of length 0, null	Made by: Wagar Siddho

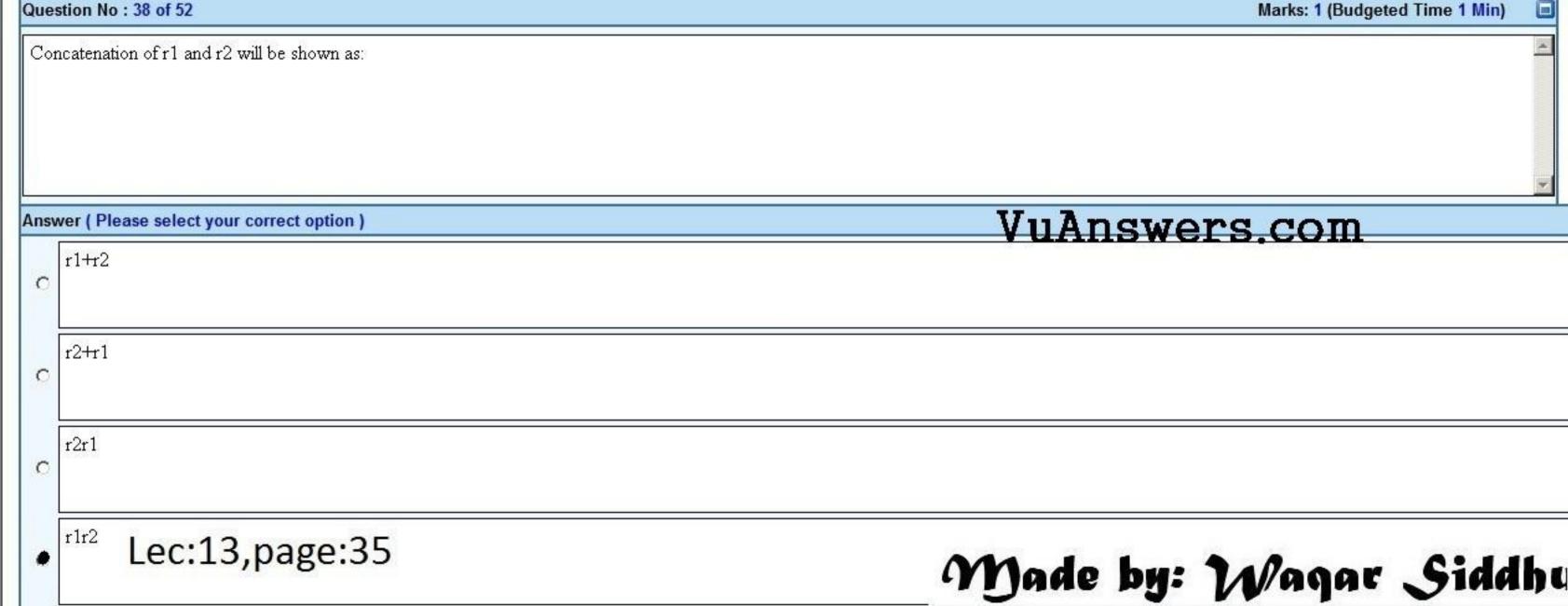
Question No : 33 of 52	Marks: 1 (Budgeted Time 1 Min)
The languages are supposed to be in case of testing pumping	lemma.
Answer ( Please select your correct option )	Vullanduzona aom
C context free	VuAnswers.com
irregular	
both regular and irregular	
* mentioned in video lec: 27	:P can check exm Made by: Wagar Siddhe

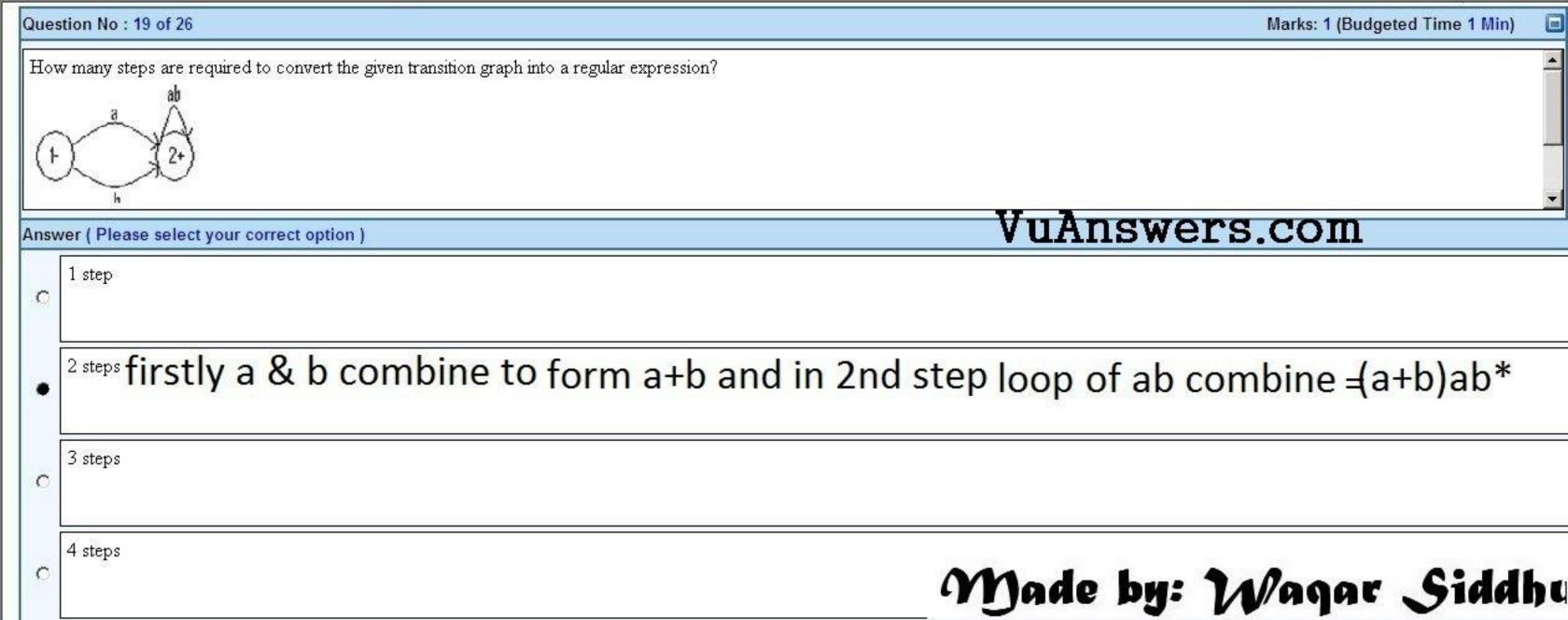












Question No : 39 of 52	Marks: 1 (Budgeted Time 1 Min)
A nonterminal is said to be self-embedded, if in a given derivation of a word, it ever occurs as a tree of itself	
Answer ( Please select your correct option )	nswers.com
ascendant	
descendant Lec:43,page:127	
top	
bottom	by: Wagar Siddhu

Question No : 40 of 52	Marks: 1 (Budgeted Time 1 Min)
is always Deterministic.	
Answer ( Please select your correct option )	VuAnswers.com
Finite Automaton lec:10,page:25	
Transition Graph	
Generalize Transition Graph	
Non-deterministic finite automaton	Made by: Wagar Siddhu

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