

Ans 1:

(i)	FIRST	FOLLOW
S	$\{a, b\}$	$\{\$ \}$
A	$\{a, \epsilon\}$	$\{a, b\}$
B	$\{b, \epsilon\}$	$\{a, b\}$

(ii)	a	b	\$
S	$S \rightarrow AaAb$	$S \rightarrow BbBa$	
A	$A \rightarrow a$ $A \rightarrow \epsilon$	$A \rightarrow \epsilon$	
B	$B \rightarrow \epsilon$	$B \rightarrow b$ $B \rightarrow \epsilon$	

(ii) No, it is not LL(1)

Since there are multiple entries in a single cell

Also, since grammar is Ambiguous  
it is not LL(1)

(iv) Follows set of a variable can never contain an epsilon because,

Since, ~~error~~ epsilon transition is for  $\epsilon$ -NFA and not DFA.

Error cannot be handled if there is epsilon by the parsers.