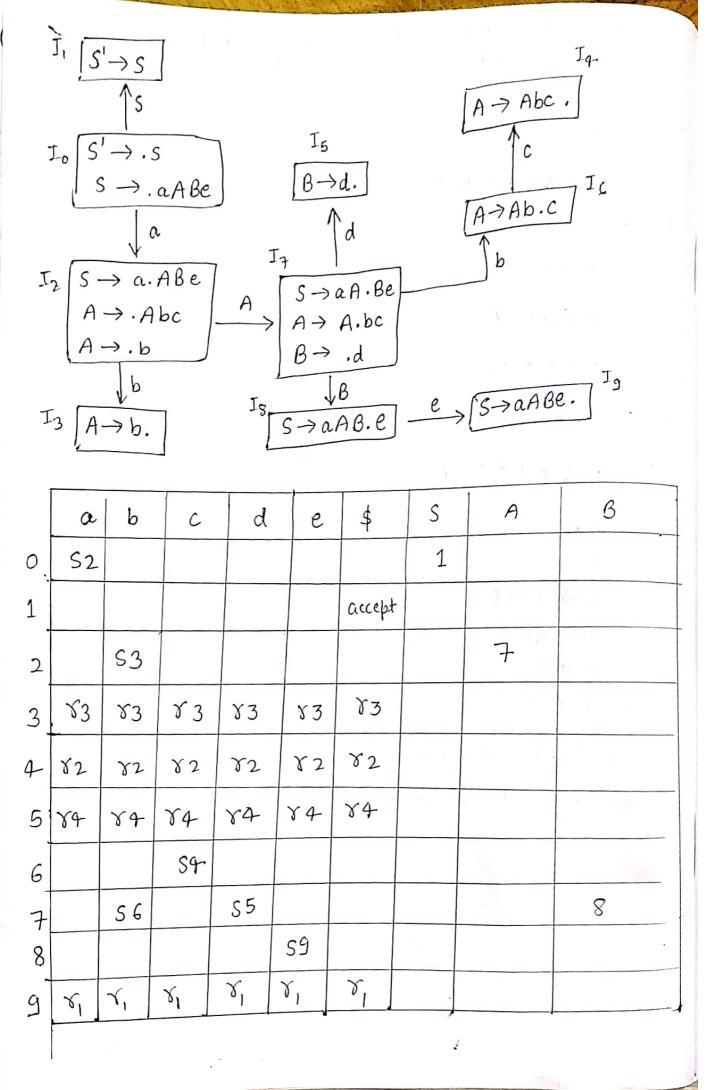
Name: Sumit Kumar Yadar | Assignment - 3.

2 Grammar:

$$o: S' \rightarrow S$$

Terminals: a, b, c,d,e,\$

Non-terminal:-S,A,B



For the input string; abb cde

s.No.	Stack	Symbols	Input	Action
0	0		abb cd e \$	\$2
1	02	a	bbcde\$	\$ 3
2	023	ab	bc de \$	¥3: A → b
3	0 27	αA	bcde\$	SG
4	0276	aAb	cde\$	\$4-
5	02764	a A b c	de\$	Y2: A→Abc
6	027	аА	de\$	\$5
7	0275	aAd	е\$	Y+: B → d
8	0278	аАВ	e\$	59
9	02789	аяве	\$	V1:S→aABe
10	01	S	4	accept

Where the reduce actions are:

81: S→ aABe

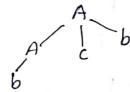
82 ; A→ Abc

83 : A → b

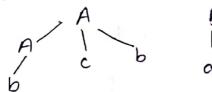
84: B>d

: Parse-Tree for the input string abbacle:

- (i) $A \rightarrow b$;
- A b
- (ii) A → Abc:



(iii) B→d:



(iv) S → a ABe

