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Section :- 06
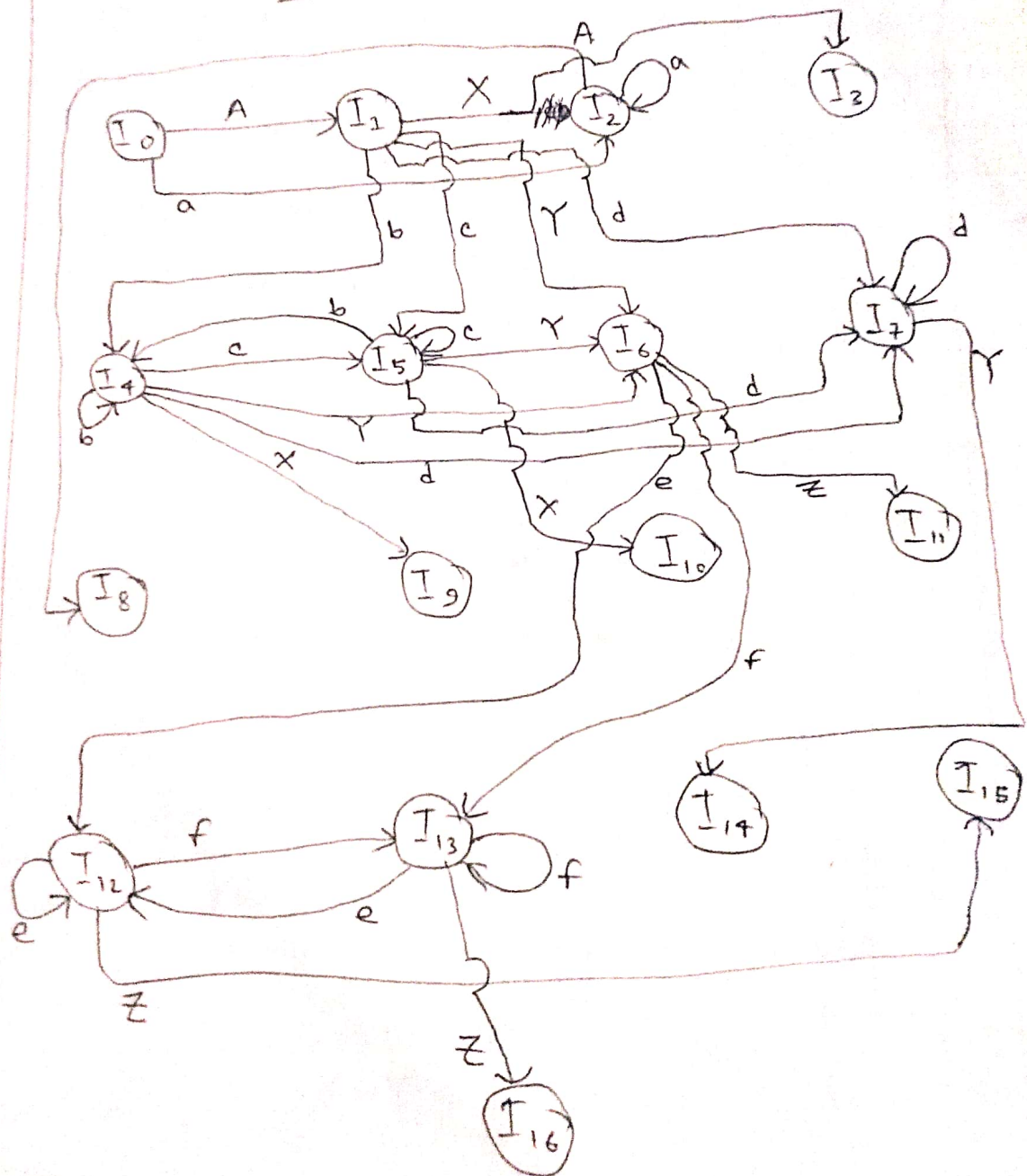
SBM

Ans to the ques no'-1

Stack	Symbol	Input	Action
0		$(id+id)*(id*id)\$$	s4
04	(	$id+id)*(id*id)\$$	s5
045	(id	$+id)*(id*id)\$$	r6 $(F \to id)$
043	(F	$+id)*(id*id)\$$	r4 $(T \to F)$
042	(T	$+id)*(id*id)\$$	r2 $(E \to T)$
048	(E	$+id)*(id*id)\$$	s6
0486	(E+	$id)*(id*id)\$$	s5
04865	(E+id	$)*(id*id)\$$	r6 $(F \to id)$
04863	(E+F	$)*(id*id)\$$	r4 $(T \to F)$
04869	(E+T	$)*(id*id)\$$	r1 $(E \to E+T)$
048	(E	$)*(id*id)\$$	S11
048 11	(E)	$*(id*id)\$$	r5 $(F \to (E))$
03	F	$*(id*id)\$$	r4 $(T \to F)$
02	T	$*(id*id)\$$	s7
027	T*	$(id*id)\$$	s4
0274	T*(	$id*id)\$$	s5
02745	T*(id	$*id)\$$	r6 $(F \to id)$
02743	T*(F	$*id)\$$	r4 $(T \to F)$
02742	T*(T	$*id)\$$	s7
027427	T*(T*	$id)\$$	s5
0274 275	T*(T*id	$)\$$	r6 $(F \to id)$

Stack	Symbol	Input	Action
0 2 7 4 2 7 10	T*(T*F	) $	r3 (T→T*F)
0 2 7 4 2	T*(T	) $	r2(E→T)
0 2 7 4 8	T*(E	) $	s11
0 2 7 4 8 11	T*(E)	$	r5 (F→(E))
0 2 7 10	T*F	$	r3 (T→T*F)
0 2	T	$	r2(E→T)
0 1	E	$	Acc

Ans to the ques no:- 2

SLR Parsing Table

State	Action							Goto				
	a	b	c	d	e	f	$	S	A	X	Y	Z
0	s2	r2	r2	r2	r2	r2	r2		1			
1		s4	s5	s7	r7	r7	r7			3	6	
2	s2	r2	r2	r2	r2	r2	r2		8			
3							acc					
4		s4	s5	s7	r7	r7	r7			9	6	
5		s4	s5	s7	r7	r7	r7			10	6	
6					s12	s13	r10					11
7				s7	r7	r7	r7				14	
8		r1	r1	r1	r1	r1	r10					
9					r3	r3	r3					
10		r4	r4	r4	r4	r4	r4					
11							r5					
12					s12	s13	r10					15
13					s12	s13	r10					16
14							r6					
15							r8					
16							r9					