	PRN: F17111037
	Class: BE Comp A
1)	What is god stack planning?
Ans.	Goal Stack planning is one of the most basic and
	earliest planning techniques.
	Here is what the stack contains:
1)	Goals,
1	Operators - ADD, DELETE and PREREQUISITE List:
	A database that maintains current situation for
	each operator.
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9.2]	Give one example using goal stack planning. Give preconditioning, add & delete specifications for each
	preconditioning, add & delete specifications for each
	action.
Ans.	B C B
	A C D A D
	Initial State Goal State
	Initial state: ON(B,A) 1 ONT(C) 1 ONT(A) 1
A	ONT(D) 1 CL(B) 1 CL(C) 1 CL(D)
	^ AG .
	God State: ON (C,A) A ON (B,D) A ONT(A) A
	ONT(D) 1 CL(C) 1 CL(B) 1 AE
	God Stack:
	on (c,A)
	ON (B,D)
	ON (C,A) NON (B,D) NONT(A) NONT (D) NOL(C)
	1 CL(B) 1 AE-

FOR EDUCATIONAL USE

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To execute S(C,A) all the preconditions should be true. Here HOLD(c) is not true, to make the state true, use operator PU(C) and write preconditions

GOAL Stack:

ONT (c) 1 CL(C) 1 AE

PU(C)

HOLD (C)

SC (C,A)

ON (B,D)

ON (C,A) NON (B,D) NONT(A) NONT(D) N CL(C) N CL(B) NAE-

SQUEUE: US(B,A), S(B,D), PU(C), S(C,+)

Finally we reached goal state after S(C,A)

So the plan for given problem is,

Unstack (B,A) Stack (B,D) Pick Up (C) Stack (C,A)

