SIGNALS AND SYSTEMS

Activity 4: TRUMP CARD **Date: 6/9/2019**

Topic Name: Differential equation

(Questions if Any)

S.No	Question	CO Addressed
1	A causal continuous-time LTI system is described by the differential equation y ‘’(t) + 5 y ‘ (t) + 6 y(t) = x(t) (a) Find impulse response of the system b) find the initial condition dy(0’)/dt =2 and y(0’)=1 and input x(t)=u(t). Find the free and natural response of the system.	CO4 , CO5

Description of the Activity:

Student team has to complete the task in teams , if a team got stuck up in the player then the team can opt a joker contestant for their team and to complete the task . A team without opting joker will get full marks.

Rubric (If Any):

Completion staus	Without opt of joker	TOTAL
5	5	10

Evaluation Sheet:

HTNO	Completion staus(5)	Without opt of joker(5)	TOTAL (10)
			24/6
461	4	0	4
462	4	0	4
464	5	5	10
465	4	0	4
466	4	0	4
467	5	5	10
468	4	0	4
469	0	0	0
470	3	5	10

471	0	0	0
472	5	1	6
473	4	0	4
474	4	0	4
475	5	2	7
476	5	5	10
478	0	0	0
479	5	5	10
480	5	5	10
481	5	5	10
482	5	5	10
483	0	0	0
484	4	0	4
485	4	0	4
486	0	0	0
487	0	0	0
489	0	0	0
490	4	0	4
491	0	0	0
492	4	0	4
493	0	0	0
494	0	0	0
495	0	0	0
496	4	0	4
497	0	0	0
498	5	5	10
499	4	0	4
4A0	4	0	4
4A1	4	0	4
4A3	4	0	4
4A4	0	0	0
4A5	4	0	4
4A6	4	0	4
4A7	5	0	5
4A8	4	0	4

4A9	4	0	4
4B0	4	0	4
4B1	4	0	4
4B2	4	0	4
4B3	4	0	4
4B4	4	0	4
4B5	4	0	4
4B6	4	0	4
4B7	4	0	4
4B8	5	0	5
4C0	4	0	4
L408	5	5	10
L409	0	0	0
L410	5	2	7
L411	4	0	4
L412	4	0	4
L413	4	0	4

Photo Gallery:

Outcome: Students can able to find solutions without availing the traditional procedures.

[Realize]