1 The output of the feedback control system must be a function of

reference input only 23%
reference output only 0%
output and feedback signal 16%
input and feedback signal 📀
none of the above 7%

2 Select the correct statement

13%

characteristic equation simplifies the evaluation of a system's response

2%

characteristic equation are fundamental to the analysis and design of control systems

10%

characteristic equation can be obtained using zeros of the system

0%

1 and 2

all of the above

3	Select the correct statement, if a factor of the denominator can be cancelled by the same factor in the numerator	į
	system should have equal number of poles and zeros 4%	
	all of the roots of the characteristic equation should be same as the zeros	
	the root of this factor no longer causes the transfer function to become zero 🗸	5
	1 and 2 19%	
	2 and 3 19%	
4	Select the correct statement	(
	system is stable if its transient response decays 14%	
	system is stable, if all the zeros are in the right hand s-plane,	
	when system marginally stable, at least one pole is on the imaginary axis 11%	
	1 and 3 📀	6
	all of the above 5%	

all the poles are on the left hand s-plane
both poles and zeros are on the left hand s-plane 8%
complex conjugate pole pair on the left hand s-plane 🤡
27%
complex conjugate pole pair on the right hand s-plane 8%
imaginary pole pair on the imaginary axis