**METHODIST COLLEGE OF ENGINEEIRNG AND TECHNOLOGY, ABIDS, HYDERABAD**

**QUIZ-1 EXAMINATION**

**SEM: V SEM CBCS DATE: 30/8/2018 TIME:12 TO 1 SUBJECT: ACS- QUIZ MAX MARKS: 10**

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FILL IN THE BLANKS:

1. CLOSED- LOOP TRANSFER FUNCTION IS GIVEN BY THE EXPRESSION…………………………..
2. AUTOMATIC CONTROL SYSTEM HAS ………………….TYPE OF FEEDBACK
3. BLOCK DIAGRAM IS MADE UP OF ..………, …………, …………
4. RISE TIME IS GIVEN BY FORMULA ……………………
5. DELTA IN MASON’S GAIN FORMULA IS EQUAL TO ……………………………………..

MCQ:

1. IN BLOCK DIAGRAM REDUCTION, WHEN A BRANCH POINT IS MOVED TO RIGHT OF ANOTHER BLOCK, THEN , ………… BLOCK IS INTRODUCED IN THAT BRANCH

a. G

 b. 1/G

 c. G1G2

 d. G1 +G2

1. WHILE COMBINING TWO PARALLEL BLOCKS , THE RESULTANT BLOCK IS

a. G

 b. 1/G1

c. G1G2

d. G1 +G2

1. THE SYSTEM IS ABSOLUTELY STABLE , WHEN
2. ALL POLES ARE ON RHP OF S-PLANE
3. ALL POLES ARE ON LHP OF S-PLANE
4. ALL POLES ARE ON IMAGINARY AXIS
5. ALL POLES ARE AT ORIGIN
6. STEADY STATE ERROR FOR TYPE-0 SYSTEM WITH UNIT STEP INPUT IS

a. 0

b. INFINITY

C. 1/(1+Kp)

d. 1/Kv

1. STEADY STATE ERROR FOR TYPE-1 SYSTEM WITH UNIT RAMP INPUT IS

a. 0

b. INFINITY

C. 1/(1+Kp)

d. 1/Kv