11 Lecture - MTH101

Important Mcqs

1.	What is the limit of f(x) as x approaches 2 if f(x) = x^2 - 3x + 2? A. 1 B. 2 C. 3 D. 4 Answer: D. 4
2.	What is the limit of g(x) as x approaches 0 if g(x) = sin(x)/x? A. 0 B. 1 C1 D. Does not exist Answer: B. 1
3.	What is the limit of h(x) as x approaches infinity if h(x) = 5/x? A. 0 B. 5 C. infinity D. Does not exist Answer: A. 0
4.	What is the limit of j(x) as x approaches 1 if j(x) = (x - 1)/(x^2 - 1)? A. 0 B. 1 C1 D. Does not exist Answer: B. 1
5.	What is the limit of k(x) as x approaches infinity if k(x) = (3x - 2)/(4x + 1)? A. 3/4 B. 2/3 C. 3/1 D. Does not exist Answer: A. 3/4

6.	What is the limit of f(x) as x approaches 0 if f(x) = (2x + 1)/(x - 3)? A. 1/3 B. 2/3 C1/3 D. Does not exist Answer: D. Does not exist
7.	What is the limit of g(x) as x approaches 2 if g(x) = (x^2 - 4)/(x - 2)? A. 0 B. 1 C. 2 D. Does not exist Answer: C. 2
8.	What is the limit of h(x) as x approaches 3 if h(x) = sqrt(x - 3)? A. 0 B. 1 C. 3 D. Does not exist Answer: D. Does not exist
9.	What is the limit of j(x) as x approaches infinity if j(x) = e^(-2x)? A. 0 B. 1 C1 D. Does not exist Answer: A. 0
10.	What is the limit of k(x) as x approaches 1 if k(x) = (x - 1)^2/ x - 1 ? A. 0 B. 1 C. Does not exist D. infinity Answer: C. Does not exist