M11 - Limits & Continuity-Solution

1. Ans: (c)

Given =

(using L’H rule)

1. Ans: (c)

and verify

1. Ans: (a)

G.E. = 

 (using L’H rule)

1. Ans: (b)

G.E.= 

(using L’H rule)

1. Ans: (b)

G.E. = = -3

1. Ans: (b)

G.E. = 

1. Ans: (b)



(Using )

1. Ans: (d)

LHL ≠ RHL

1. Ans: (a)

As 

1. Ans: (a)



1. Ans: (a)



1. Ans: (c)



1. Ans: (b)



1. Ans: (a)



1. Ans: (a)



1. Ans: (b)



1. Ans: (d)

LHL ≠ RHL

1. Ans: (b)
2. Ans: (c)

Using 

1. Ans: (c)



1. Ans: (a)



1. Ans: (d) 
2. Ans: (c)

f(x) is not defined at x=1



1. Ans: (b)

;

RHL=

1. Ans: (d)
2. Ans: (c)

x = 0, 1, -1

1. Ans: (c)
2. Ans: (a)



1. Ans: (b)



1. Ans: (c) 



1. Ans: (a)



1. Ans: (b)

1. Ans: (c)



1. Ans: (a)

LHL ≠ RHL

1. Ans: (a)



1. Ans: (b)



1. Ans: (a)



1. Ans: (a)
2. Ans: (a)
3. Ans: (c)



1. Ans: (b)



1. Ans: (b)



1. Ans: (b)



1. Ans: (b)

 (using L’H rule)

1. Ans: (d)





1. Ans: (c)



1. Ans: (b)

Using L’H rule or direct formula

1. Ans: (a) 
2. Ans: (a)



1. Ans: (d)

LHL ≠ RHL

1. Ans: (b)



1. Ans: (d)
2. Ans: (a)
3. Ans: (a)



1. Ans: (d)
2. Ans: (a)



1. Ans: (b)

LHL=RHL=f(1)

3a+b=11 and 5a-2b=11 and solve

1. Ans: (b)

Using LH rule

1. Ans: (c)

 

1. Ans: (a)



KEY ANSWER

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q.NO. | ANS | Q.NO. | ANS | Q.NO. | ANS | Q.NO. | ANS | Q.NO. | ANS | Q.NO. | ANS |
| 1 | c | 11 | a | 21 | a | 31 | a | 41 | b | 51 | b |
| 2 | c | 12 | c | 22 | d | 32 | b | 42 | b | 52 | d |
| 3 | a | 13 | b | 23 | c | 33 | c | 43 | b | 53 | a |
| 4 | b | 14 | a | 24 | b | 34 | a | 44 | b | 54 | a |
| 5 | b | 15 | a | 25 | d | 35 | a | 45 | d | 55 | d |
| 6 | b | 16 | b | 26 | c | 36 | b | 46 | c | 56 | a |
| 7 | b | 17 | d | 27 | c | 37 | a | 47 | b | 57 | b |
| 8 | d | 18 | b | 28 | a | 38 | a | 48 | a | 58 | b |
| 9 | a | 19 | c | 29 | b | 39 | a | 49 | a | 59 | c |
| 10 | a | 20 | c | 30 | c | 40 | c | 50 | d | 60 | a |