FBQ1: A convergent sequence has only _____ limit(s)
Answer: One

FBQ2: If a sequence {Xn} is convergent then it is_____
Answer: Bounded

FBQ3: A sequence {(-1)n} is_____
Answer: Bounded

FBQ4: A sequence is _____
Answer: convergent

FBQ5: The sequence converges to _____
Answer: 0.5

FBQ6: is _____
Answer: 0.5

FBQ7: Every Cauchy sequence is _____.
Answer: Bounded

FBQ8: A sequence of real number {Xn} is Cauchy if and only if _____
Answer: Convergent

FBQ9: Let {Xn}be a convergent sequence. is _____
Answer: X

FBQ10: If a sequence is decreasing, then it may converge to its _____
Answer: Infimum

FBQ11: If a sequence is increasing, then it may converge to its _____
Answer: Supremum

FBQ12: A product of two convergent sequences is_____
Answer: Convergent

FBQ13: Let   is _____(Ans to 3 decimal point)
Answer: 1.618

FBQ14: A sequence of real numbers that converges to zero is known as _____sequence
Answer: Null

FBQ15: If a sequence does not have a limit, it is also called an _____sequence
Answer: Oscillating

FBQ16: Every set of real numbers has a minimum_____ (True or False)
Answer: False

FBQ17: Every set of real numbers has a maximum_____ (True or False)
Answer: False

FBQ18: Every set of real numbers which is bounded above has a maximum_____ (True or False)
Answer: False

FBQ19: Every set of real numbers which is bounded below has a minimum_____ (True or False)
Answer: False

FBQ20: There exists a set of real numbers with a supremum but no maximum_____ (True or False)
Answer: True

FBQ21: The is _____
Answer: 2

FBQ22: " + " is _____ operation on
Answer: binary operation

FBQ23: If a real number is not rational then it is an _____
Answer: Integer

FBQ24: If a real number is not rational then it is an _____ number
Answer: Irrational

FBQ25: A number which is neither positive nor negative is
Answer: 0

FBQ26: The supremum is also called the ____ upper bound
Answer: Least

FBQ27: The harmonic series ____
Answer: Diverges

FBQ28: A monotone sequence of real numbers is properly divergent if and only if it is _____
Answer: Unbounded

FBQ29:   is an example of _____ numbers
Answer: Irrational

FBQ30: Concept of the divisibility only exists in set of _____
Answer: Integers

FBQ31: The limit of n+1n√n is
Answer: 0

FBQ32: A convergent sequence has only _____ limit(s)
Answer: 1

FBQ33: Every convergent sequence has _____one limit
Answer: 7

FBQ34: Give the next 3 terms of the sequence 0,1,1,2,3,5,8,……,____
Answer: 13, 21, 34

FBQ35: Two   Sets A and B are said to be _____ if and only if they have the same elements but possibly with different listings.
Answer: Equal

FBQ36: A sequence which does not converge to some real number is said to be_____
Answer: Divergent

FBQ37: A sequence in which the consecutive terms have opposite signs is called_____ sequence
Answer: Alternating

FBQ38:
Answer: x<=y

FBQ39: If is an _____
Answer: Interval

FBQ40: A sequence {Xn} is convergent to the limit if and only if all of its…_____.converge to the same limit _____

Answer: Terms

FBQ41: The range of is_____
Answer: (0,3]

FBQ42: A continuous real-valued function defined on a closed and bounded interval _____ be bounded
Answer: Must

FBQ43: The range of is_____
Answer: (-1/2, 1/2)

FBQ44: The range of is_____
Answer: [-1/2, ½]

FBQ45:
Answer: 1

FBQ46:
Answer: 0.5

FBQ47:
Answer: 0.5

FBQ48: Given the set
Answer: 2

FBQ49: what is the value of a_____
Answer: 0

FBQ50:
Answer: Complete

MCQ1: Define a sequence Then the values of are
Answer:

MCQ2:
Answer:

MCQ3:
Answer:

MCQ4: Define
Answer: 0

MCQ5:
Answer: r

MCQ6: Consider the function
Answer: 1

MCQ7: Consider the function. Then
Answer: 0

MCQ8:
Answer: