Question QMC1 : List the elements of the set   
Answer:  
  
Question QMC2 : List the elements of the set   
Answer:  
  
Question QMC3 : The vertical line “  ” in  is read as…  
Answer:  
  
Question QMC4 : The set in set – builder form is written as…  
Answer:  
  
Question QMC5 : Which of the following is true of the set   
Answer:  
  
Question QMC6 : The set is …  
Answer:  
  
Question QMC7 : Which of the following sets is not finite?  
Answer:  
  
Question QMC8 : If   
Answer:  
  
Question QMC9 : Let  Then  
Answer:  
  
Question QMC10 : Which of the following is true of   
Answer:  
  
Question QMC11 :  is a subset of…  
Answer:  
  
Question QMC12 : Two sets A and B are not comparable if and …  
Answer:  
  
Question QMC13 : Which of the following is true of   
Answer:  
  
Question QMC14 : One of the following is not a family of sets  
Answer:  
  
Question QMC15 : The power set of a set M is denoted by…  
Answer:  
  
Question QMC16 : If M has n elements, then the power set of M has \_\_\_\_ elements  
Answer:  
  
Question QMC17 : If A and B have no elements in common, then  
Answer:  
  
Question QMC18 : In human population studies, the universal set consists of …  
Answer:  
  
Question QMC19 : Let and  then E and F are …  
Answer:  
  
Question QMC20 : In an axiomatic development of plane Euclidean geometry, “points” and “lines” are …  
Answer:  
  
Question QMC21 : Two sets A and B are equal if every belongs to B and every belongs to A. This is called …  
Answer:  
  
Question QMC22 : Which word is the odd one out in set notation  
Answer:  
  
Question QMC23 : Which of the following concisely defines the union of A and B?  
Answer:  
  
Question QMC24 : is read as…  
Answer:  
  
Question QMC25 : Which of the following is not true in set operations  
Answer:  
  
Question QMC26 : The difference of A and B may also be defined concisely by A – B = …  
Answer:  
  
Question QMC27 : Let R be the set of real numbers and let Q be the set of rational numbers. Then R – Q consist of the…  
Answer:  
  
Question QMC28 :   
Answer:  
  
Question QMC29 : The set – theoretic product of A and B is denoted by …  
Answer:  
  
Question QMC30 : The notation A/B or represents …  
Answer:  
  
Question QMC31 : Let the universal set be   
Answer:  
  
Question QMC32 : Let the universal set be the set of positive integers and let A be the set of the positive even numbers. Find   
Answer:  
  
Question QMC33 : Given that A = {0, 1} and B = {1, 2, 3}.   
Answer:  
  
Question QMC34 : Find if A = {0, 1} and B = {1, 2, 3}.  
Answer:  
  
Question QMC35 : Find A – B if A = {0, 1} and B = {1, 2, 3}  
Answer:  
  
Question QMC36 : Find if A = {0, 1}  
Answer:  
  
Question QMC37 : Find if A = {0,1}  
Answer:  
  
Question QMC38 : Find if the universal set is {1, 2, 3, 4} and A = {2, 3}.  
Answer:  
  
Question QMC39 : The number of elements in the Power set is  
Answer:  
  
Question QMC40 : If A and B are sets and  then  
Answer:  
  
Question QMC41 : The union of the sets {1,2,5} and {1,2,6} is the set ................  
Answer:  
  
Question QMC42 : The intersection of the sets {1,2,5} and {1,2,6} is the set ……………  
Answer:  
  
Question QMC43 : Two sets are called disjoint if their ………….. is empty set.  
Answer:  
  
Question QMC44 : Which of the following two sets are disjoint?  
Answer:  
  
Question QMC45 : The complement of the set A is ………..  
Answer:  
  
Question QMC46 : Individual objects in a set are called …………..  
Answer:  
  
Question QMC47 : Set {x: x is an odd number between 10 and 18}  
Answer:  
  
Question QMC48 : Let A = {1, 2, 3, 4}, B = {2, 4, 6, 8} and C = {3, 4, 5, 6}. Find   
Answer:  
  
Question QMC49 : Find the equation of the circle centre (2, - 3) and radius 4  
Answer:  
  
Question QMC50 : Find the distance between the points Z1 and Z2, given that and   
Answer:  
  
Question QFB1 : A \_\_\_\_\_\_ is any well-defined class of objects  
Answer: Set  
  
Question QFB2 : The set  is read as \_\_\_\_\_\_  
Answer: A is the set of numbers x such that x is even  
  
Question QFB3 : Given the equation 9x2- 16y2= 44, the intersection on x-axis is \_\_\_\_\_  
  
Answer: 4  
  
Question QFB4 : A set is \_\_\_ if it consist of a specific number of elements  
Answer: Finite  
  
Question QFB5 : If in counting the different members of a set, the counting process does not come to an end, then the set is \_\_\_\_  
Answer: Infinite  
  
Question QFB6 :   
Answer: U  
  
Question QFB7 : If then B is the \_\_\_\_ set  
Answer: Empty  
  
Question QFB8 :   
Answer: Empty  
  
Question QFB9 : If  then there is at least \_\_\_\_ element in A that is not in B  
Answer: One  
  
Question QFB10 : The \_\_\_\_ set is considered to be a subset of every set  
Answer: Empty  
  
Question QFB11 : \_\_\_\_\_\_\_ is the locus of points equidistant from a fixed point  
Answer: Circle  
  
Question QFB12 :   
Answer: 7+5i  
  
Question QFB13 : If b2 – 4ac = 0, then the solutions of the quadratic equation ax2 + bx + c are real and \_\_\_\_\_\_\_\_\_  
Answer: Equal  
  
Question QFB14 : The common ratio of 2, 6, 18, 54, . . . is \_\_\_\_\_  
Answer: 3  
  
Question QFB15 : The \_\_\_\_\_ sequence is a sequence in which each term differs by a common difference  
Answer: Arithmetic  
  
Question QFB16 : If a set A is finite, then it is necessarily \_\_\_\_  
Answer: Bounded  
  
Question QFB17 : (3, 10) is an \_\_\_\_ interval  
Answer: Open  
  
Question QFB18 : The intersection of two intervals is also an \_\_\_\_\_  
Answer: Interval  
  
Question QFB19 : implies that where I is an interval   
Answer: I  
  
Question QFB20 : and \_\_\_\_\_\_ have identical meaning  
Answer: |x|<5  
  
Question QFB21 : If a < b and c < 0, then \_\_\_\_\_  
Answer: |x|  
  
Question QFB22 : The set of complex numbers is a superset of the set of \_\_\_\_ number  
Answer: Real  
  
Question QFB23 : The number 0 is itself neither positive nor \_\_\_\_  
Answer: Negative  
  
Question QFB24 :   
Answer: B–A  
  
Question QFB25 :   
Answer: A'  
  
Question QFB26 :   
Answer: U  
  
Question QFB27 :   
Answer: A  
  
Question QFB28 :   
Answer: {0, 1}  
  
Question QFB29 :   
Answer: null  
  
Question QFB30 :  is the set of \_\_\_\_\_\_\_\_ numbers  
Answer: Rational  
  
Question QFB31 :   
Answer: Disjoint  
  
Question QFB32 :   
Answer: Proper  
  
Question QFB33 : The members of a family of sets are \_\_\_\_  
Answer: Sets  
  
Question QFB34 : In plane geometry, the universal set consists of all the \_\_\_\_ in the plane  
Answer: Points  
  
Question QFB35 : Let M = {a, b}, then 2M = 4, the value of M is \_\_\_\_\_\_\_\_\_\_\_  
Answer: 2  
  
Question QFB36 : A = {1, 3, 7, 8} and B = {2, 4, 7, 9} are not disjoint since \_\_\_\_ is in both sets  
Answer: 7  
  
Question QFB37 : In an axiomatic development of a branch of mathematics, one begins with \_\_\_\_  
Answer: Undefined terms  
  
Question QFB38 : Two different lines cannot contain more than one point in \_\_\_  
Answer: Common  
  
Question QFB39 : The \_\_\_\_\_ set, contains no elements and is a subset of every set  
Answer: Null  
  
Question QFB40 : Although physically, it might be impossible to count the number of people on the earth, the set is still \_\_\_\_\_  
Answer: Finite  
  
Question QFB41 : The \_\_\_\_ is the set of all elements which belong to A or to B or to both  
Answer: Union  
  
Question QFB42 : \_\_\_\_ is usually read “A union B”  
Answer: AUB  
  
Question QFB43 : The union of A and B is sometimes denoted by A + B and is called the set theoretic sum of A and \_\_\_\_\_\_\_\_\_\_\_  
Answer: B  
  
Question QFB44 : The \_\_\_\_\_\_ is the set of elements which are common to A and B  
Answer: Intersection  
  
Question QFB45 :   
Answer: B  
  
Question QFB46 :   
Answer: H  
  
Question QFB47 : The \_\_\_\_\_\_\_\_\_\_\_\_of sets A and B is the set of elements which belong to A but which do not belong to B  
Answer: Difference  
  
Question QFB48 : The \_\_\_\_ of a set A is the set of elements that do not belong to A  
Answer: Complement  
  
Question QFB49 : E = {2, 4, 6, . . . } is the set of \_\_\_\_\_\_\_\_  
Answer: Even numbers  
  
Question QFB50 : P = {1, 2, 3, . . . } is the set of \_\_\_\_\_\_\_\_  
Answer: Natural numbers