

**SOLVED WORKSHEET**

**02**

**SUBJECT: MATHS**

**CLASS VIII**

**MRS ZOKIA NOREEN**

## Chapter # 14 - Sets

Choose the best option.

1. A set is a collection of \_\_\_\_\_ objects.  
a) **distinct**                      b)element                      c) notation
2. each object in a set is called an  
a) factor                      b)**element**                      c) integer
3. Two sets are said to be equal if they contain exactly the \_\_\_\_\_ elements.  
a) empty                      b)**same**                      c) different
4. empty set is described by  
a)  $\Phi$                       b)  $\{0\}$                       c)  $@$
5. B is a subset of A written as  
a)  $B \in A$                       b)  $A \in B$                       c)  **$B \subseteq A$**
6. B is a proper subset of A, written as  
a)  **$B \subset A$**                       b)  $A \subset B$                       c)  $B \subseteq A$
7. The \_\_\_\_ of a set A and B is the set of all the elements which are common to both A and B  
a) union                      b) complement                      c) **intersection**
8. The \_\_\_\_ of a set A and B is the set of all the elements which are in A or B  
a)intersection                      b) complement                      c) **Union**

9. The set of all multiples of 3 are

- a) **{3,6,9,12,...}**      b){2,6,9,12,...}      c){3,6,9,10,...}

10. if  $A \subseteq B$  then,

- a)  $A \cap B = B$       b)  $A \cap B = A$       c)  $A \cap B = \Phi$

11. If A and B are two disjoint sets, then

- a)  $A \cap B = A$       b)  $A \cap B = \Phi$       c)  $A \cap B = B$

12. If  $A = \{f, g, h, i, j, k\}$   $B = \{h, l, p, q\}$  then  $A \cup B =$

- a)  $\{h, i\}$       b)  $\{f, g, h, k\}$       c)  **$\{f, g, h, i, j, k, p, q\}$**

13.  $A = \{1, 2, 3, 4, 5, \dots\}$

- a) **set of natural number**      b) prime number      c) multiples of 3

