SLIP TEST-1

CLASS:X   **SUB: MATHEMATICS**

UNIT-1. RELATIONS AND FUNCTION   **TOPIC:TYPES OF FUNCTIONS**

Choose the correct answers:

1. **Constant function is an example of-------**
A) One-one function B) Many-one function C)Linear function D)Quadratic function

2. **Reciprocal function is an example of-----**
A) One-one function B) Many-one function C)Linear function D)Bijection

3.------is used to check whether given graph is function or not.

A) Horizontal line test B) Vertical line test C)arrow diagram D)set of ordered pairs

4.------is used to check whether given graph is one-one or Many-one function.

A) Horizontal line test B) Vertical line test C)arrow diagram D)set of ordered pairs

5.If A={0,1,2,3} , B={0,1,4,9},f(x)=x^2 then, identify the of function

A) One-one & onto B) Many-one & into C)One-one & into D)Many one & onto

6.If A={-3,-2,-1,0,1,2,3} , B={0,1,4,9},f(x)=x^2 then, identify the of function

A) One-one & onto B) Many-one & into C)One-one & into D)Many one & onto

7.If every element in B has a pre-image in A, then Which of the following is true?

A) Range=Codomain B) Range≠codomain C) Range⊂Codomain D) Range⊆ Codomain

8.If there exist at least one element in B which is not the image of any element of A, then Which of the following is true?

A) Range=Codomain B) Range≠domain C) Range⊂Codomain D) Range⊆ Codomain

9.If A= {-2,$\frac{1}{2}$,-1,0,$\frac{1}{2}$,1, $\frac{3}{2}$, 2} B={1,$\frac{5}{4}$,2,$\frac{13}{4}$,5} and Range={1,$\frac{5}{4}$,2,$\frac{13}{4}$,5},then type of function is------

A)Modulus function B) Many-one function C)Real valued function D)Real function

10.Identity function is an example of-------
A)One-one function B) Multiplicative identity function C)Linear function
D)All the above