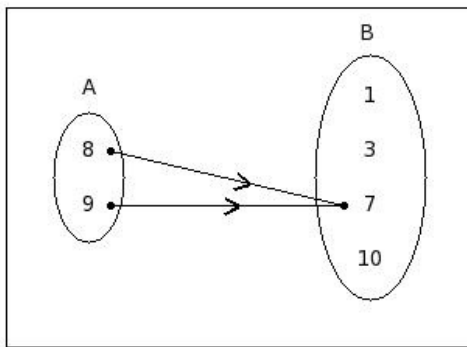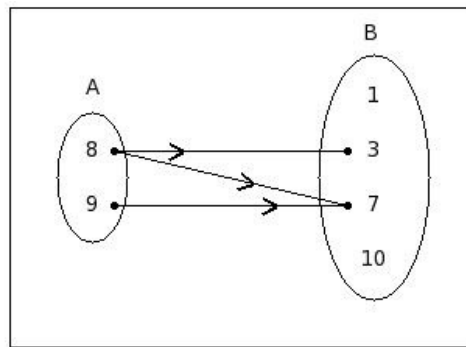1. Which of the following relations is a function given ,
A = {5,8,7,2,3} and B = {4,5,8,10,2,3} ?

   (i) {(5,4),(7,3),(2,2),(3,5),(4,8)}   (ii) {(5,4),(8,4),(2,2),(3,5),(4,6)}   (iii) {(5,4),(8,4),(7,3),(2,2),(3,5),(4,8)}

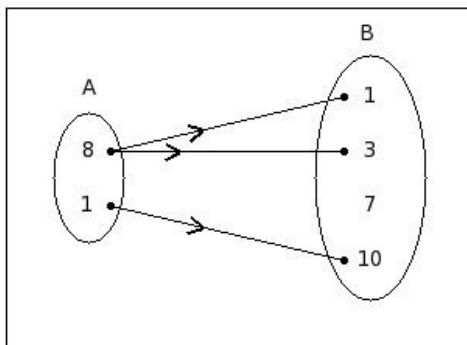   (iv) {(5,4),(8,4),(7,3),(2,2),(3,5)}   (v) {(5,4),(8,4),(2,2),(3,5)}

2. Which of the following relations R:A→B represent a function,
given A = {8,9} and B = {1,3,7,10} ?

   (i) II   (ii) IV   (iii) III   (iv) I

3. Which of the following does not represent a function f:A→B ,
where A = {10,5,1,8} and B = {2,3,4,6} ?

   (i) {(5,2),(1,2),(10,2),(8,2)}   (ii) {(5,3),(10,6),(5,4),(10,3)}   (iii) {(10,6),(8,2),(1,6),(5,3)}

   (iv) {(10,2),(5,4),(8,3),(1,3)}   (v) {(8,6),(10,2),(1,4),(5,2)}

4. Which of the following does not represent a function f:A→B ,
where A = {8,1,2,5} and B = {4,9,3,10} ?

   (i) {(5,10),(8,10),(2,3),(1,9)}   (ii) {(8,4),(1,10),(5,4),(2,10)}   (iii) {(5,3),(1,10),(8,4),(2,9)}

   (iv) {(8,10),(2,10),(1,3)}   (v) {(8,10),(5,3),(2,9),(1,3)}

5. Which of the following does not represent a function $f: A \rightarrow B$, where A = {8,4,9} and B = {3,7,1} ?

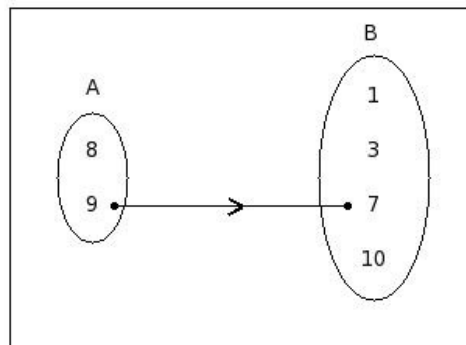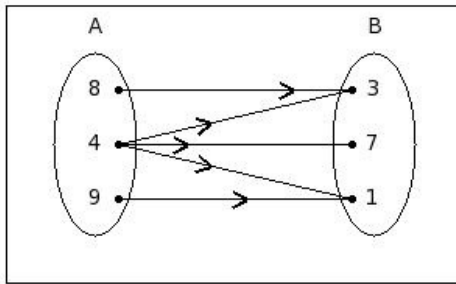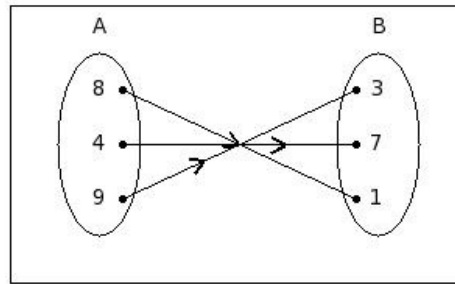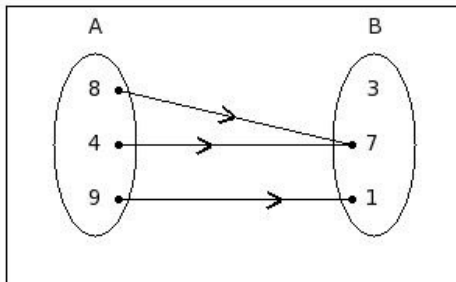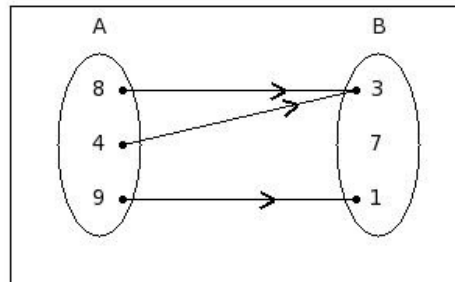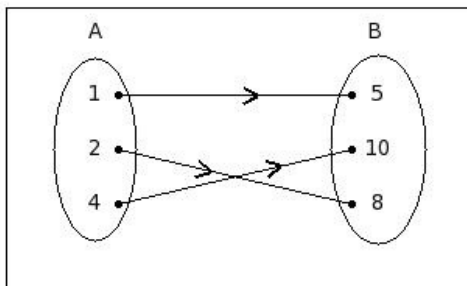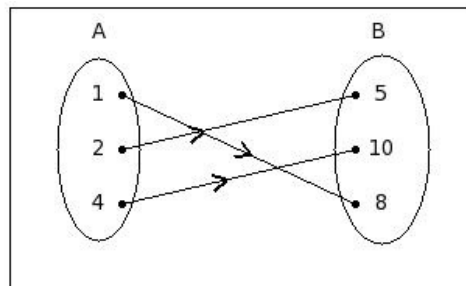
I

II

III

IV

(i) III (ii) IV (iii) I (iv) II
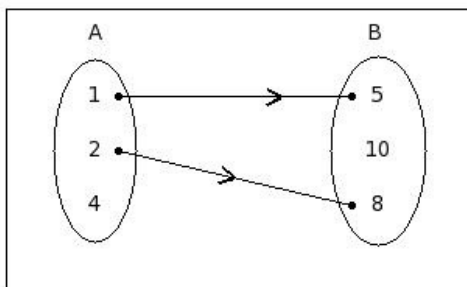
6. Which of the following does not represent a function $f: A \rightarrow B$, where A = {1,2,4} and B = {5,10,8} ?
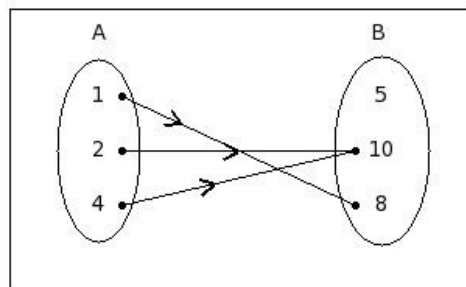

I

II

III

IV

(i) II (ii) I (iii) IV (iv) III

7. Which of the following relations is a function $f: A \rightarrow B$, where A = {f,g,h,n} and B = {o,c,k,l,m,f} ?

(i) {} (ii) {(h,o),(g,o),(n,c),(c,f)} (iii) {(h,o),(f,c),(g,o),(n,c)} (iv) {(h,o),(f,c),(g,o),(n,c),(c,f)}

(v) {(h,o),(f,c),(n,c)}

8. Which of the following relations does not represent a function $f: A \rightarrow B$, where $A = \{m,i,d,k,g\}$ and $B = \{e,h,c,b,f,o\}$?

(i) {(m,c),(i,o),(d,e),(k,c),(g,e)}   (ii) {(g,c),(m,e),(i,b),(m,b),(m,h)}   (iii) {(k,o),(g,f),(d,o),(i,h),(m,o)}

(iv) {(d,c),(m,b),(i,e),(g,c),(k,h)}   (v) {(i,o),(k,b),(d,h),(m,h),(g,f)}

Assignment Key

1) (iv)	2) (iv)	3) (ii)	4) (iv)	5) (iii)	6) (iv)
7) (iii)	8) (ii)				