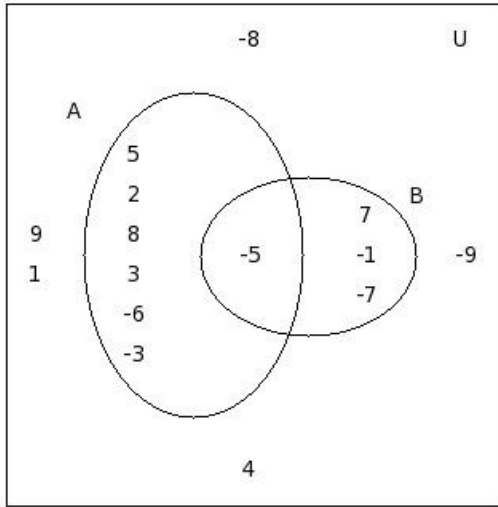




1. Find  $B' \cap A'$

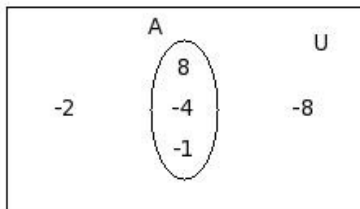


- (i)  $\{\}$  (ii)  $\{-9, 4, 1, 9, -8\}$  (iii)  $\{9, -8, 4, -9\}$

2. In a class of 28 students, if 17 students prefer 'Moped', 23 students prefer 'RTC Bus' and 13 students prefer both the modes of transport, how many do not prefer any of the modes of transport ?

- (i) (-2) (ii) 0 (iii) 2 (iv) 3 (v) 1

3. Find  $n(A)$

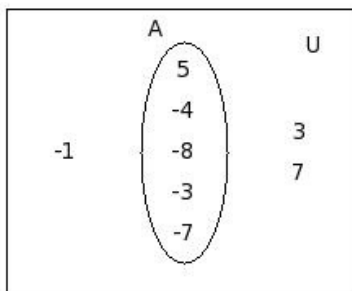


- (i) 4 (ii) 2 (iii) 1 (iv) 5 (v) 3

4. In a class of 28 students, if 24 students like 'Painting', 19 students like 'Reading books' and 16 students like both the activities, how many like 'Painting' only ?

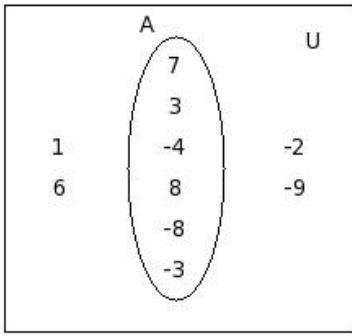
- (i) 5 (ii) 10 (iii) 9 (iv) 8 (v) 7

5. Find  $A \cup A'$



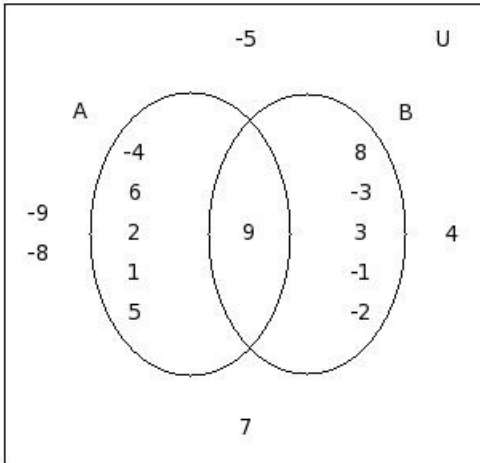
- (i)  $\{-3, -7, -8, -4\}$  (ii)  $\{-3, -4, -7, 5, -8\}$  (iii)  $\{\}$  (iv)  $\{1, 4, -12, -8, -7, -4\}$  (v)  $\{-8, -4, -7, -12\}$

6. Find  $n(A \cup A)$



- (i) 8 (ii) 4 (iii) 6 (iv) 7 (v) 5

7. Find  $A'$

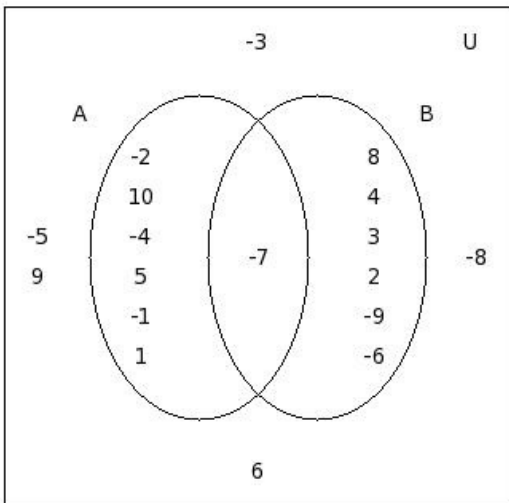


- (i)  $\{-8, -9, -3, 3, 7, -5, -2, 4, 8\}$  (ii)  $\{\}$  (iii)  $\{-1, -5, -9, -2, -8, 3, 4, 7, -3\}$  (iv)  $\{4, 3, -5, 8, -3, -1, 7, -8, -2, -9\}$

8. In a class of 17 students, each one reads either 'Hans India' or 'Hindustan Times' or both. If 13 students read 'Hans India' and 8 students read 'Hindustan Times', how many read 'Hindustan Times' only?

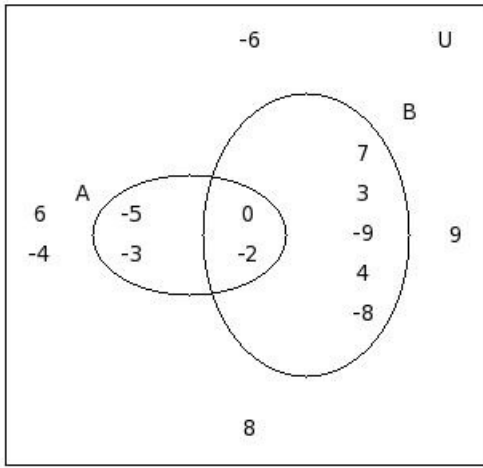
- (i) 4 (ii) 1 (iii) 3 (iv) 5 (v) 7

9. Find  $(A - B)'$



- (i)  $\{-6, 8, 4, 3, -7, -5, -8, 6, -3, 9, 2\}$  (ii)  $\{\}$  (iii)  $\{6, 8, -8, -9, 9, 4, -5, 2, 3, -3, -6\}$  (iv)  $\{-5, -6, -7, 6, 4, 3, 9, -3, 8, -9, -8\}$   
 (v)  $\{-7, -6, -3, -9, 3, 8, 2, 4, 9, -5, -8, 6\}$

10. Find  $n((A \cap B)')$



- (i) 14 (ii) 12 (iii) 11 (iv) 13 (v) 10

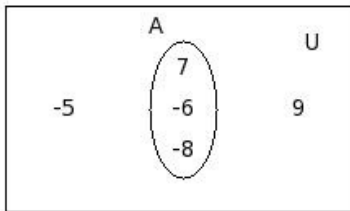
11. In a class of 20 students, each one likes either 'Dancing' or 'Painting' or both. If 14 students like 'Dancing' and 8 students like 'Painting', how many like 'Dancing' only?

- (i) 9 (ii) 13 (iii) 12 (iv) 14 (v) 11

12. In a class of 35 students, if 28 students read 'The Hindu', 28 students read 'Indian Express' and 21 students read both the news papers, how many read 'Indian Express' only ?

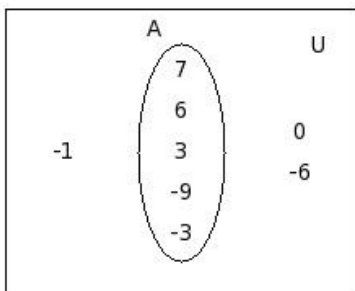
- (i) 7 (ii) 8 (iii) 10 (iv) 6 (v) 4

13. Find  $\mu$



- (i)  $\{-7, -8, 7, -6\}$  (ii)  $\{7, -6, -7, 5, 4, -8\}$  (iii)  $\{7, -6, 9, -5, -8\}$  (iv)  $\{-8, -6, 7, -5\}$  (v)  $\{\}$

14. Find  $A'$



- (i)  $\{-6, 0, -1\}$  (ii)  $\{0, -3\}$  (iii)  $\{5, 3, 8, 0\}$  (iv)  $\{0, -6\}$  (v)  $\{8, 0\}$

15. Which of the following diagrams represent equivalent sets?

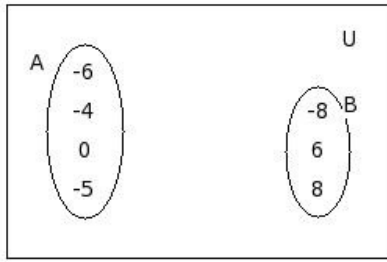


figure 1

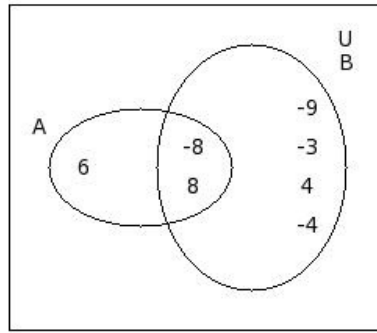


figure 2

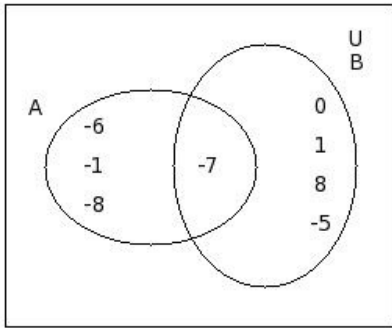


figure 3

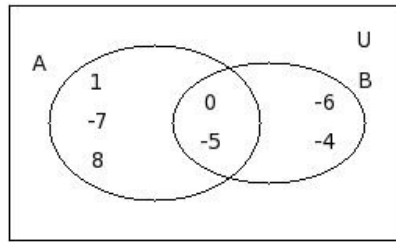
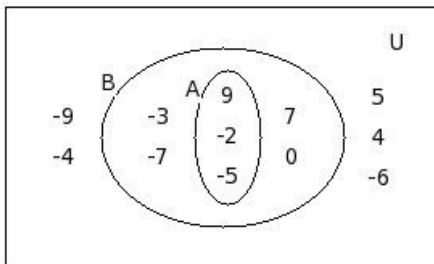


figure 4

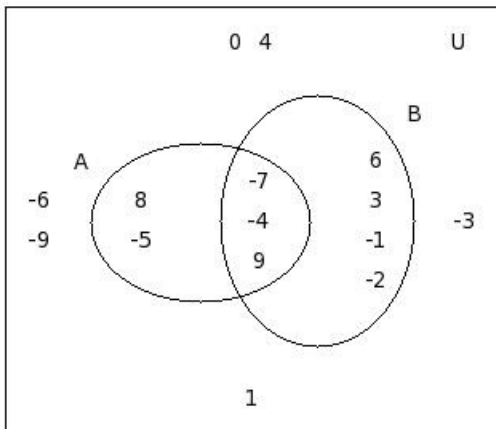
(i) figure 2 (ii) figure 1 (iii) figure 4 (iv) figure 3 (v) None of the above

16. Find  $n((A \cup B) - (A \cap B))$



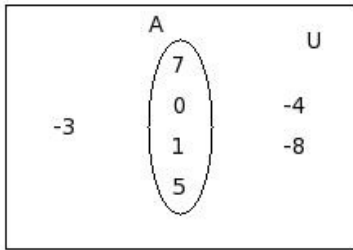
(i) 5 (ii) 4 (iii) 6 (iv) 3 (v) 2

17. Find  $n((A \cup B)')$



(i) 6 (ii) 8 (iii) 7 (iv) 5 (v) 3

18. Find  $n(A \cap \mu)$



- (i) 4 (ii) 1 (iii) 5 (iv) 3 (v) 6

19. Which of the following diagrams represent equal sets?

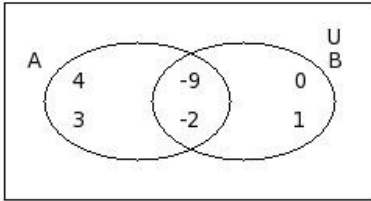


figure 1

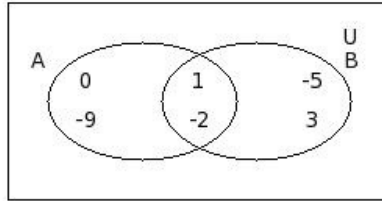


figure 2

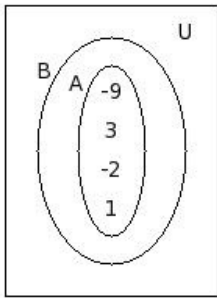


figure 3

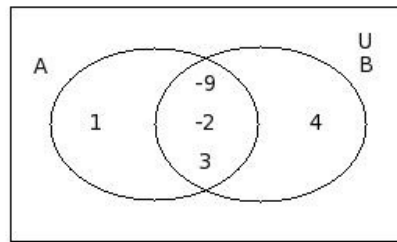


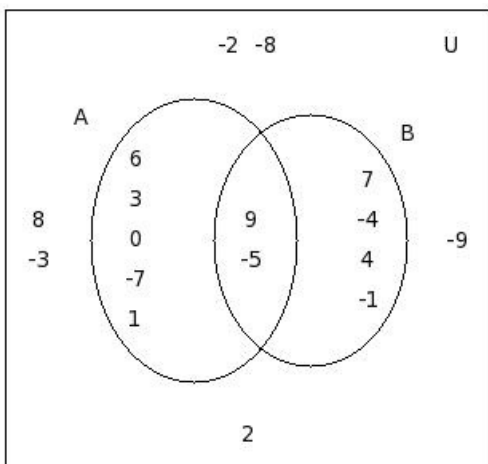
figure 4

- (i) figure 4 (ii) figure 2 (iii) figure 1 (iv) figure 3

20. In a class of 27 students, each one reads either 'Hans India' or 'The Hindu' or both. If 17 students read 'Hans India' and 19 students read 'The Hindu', how many read both the news papers?

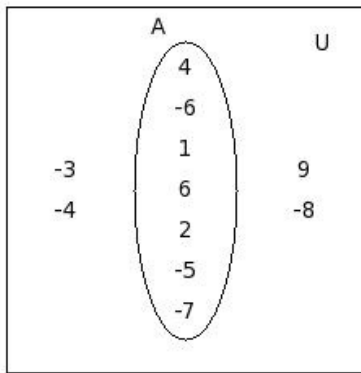
- (i) 6 (ii) 8 (iii) 9 (iv) 12 (v) 10

21. Find  $B'$



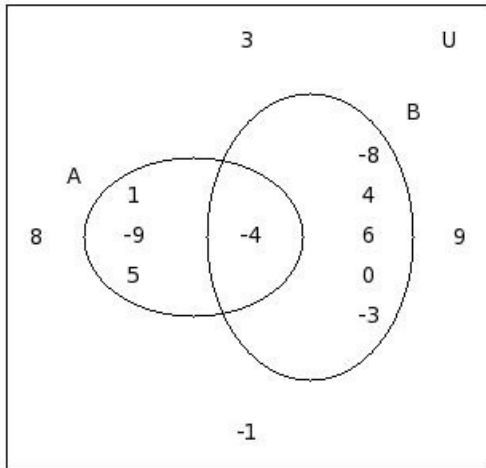
- (i)  $\{-2, 0, 6, 3, 8, -9, 2, -8, 1, -3\}$  (ii)  $\{6, 0, -3, -8, 8, -9, 1, -2, -7, 2, 3\}$  (iii)  $\{\}$  (iv)  $\{6, 8, -9, -3, -7, 1, 2, -2, 0, -8\}$

22. Find  $n(A')$



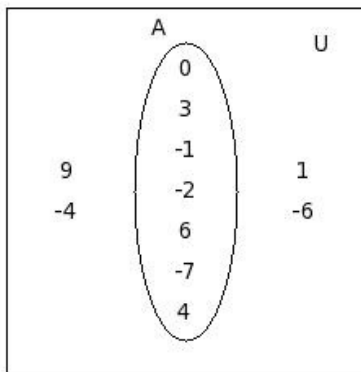
- (i) 4 (ii) 5 (iii) 6 (iv) 3 (v) 1

23. Find  $n(B' \cap A')$



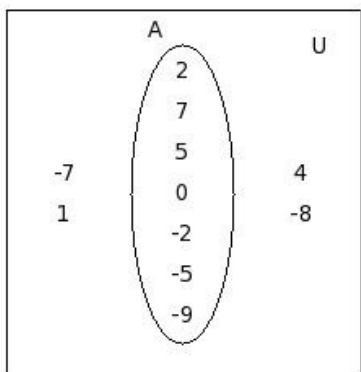
- (i) 1 (ii) 7 (iii) 3 (iv) 4 (v) 5

24. Find  $n(A \cap A')$



- (i) (-1) (ii) 3 (iii) 0 (iv) 1 (v) (-3)

25. Find  $n(A \cup \emptyset)$



- (i) 6 (ii) 8 (iii) 4 (iv) 7 (v) 10

## Assignment Key

1) (ii)	2) (v)	3) (v)	4) (iv)	5) (ii)	6) (iii)
7) (iv)	8) (i)	9) (v)	10) (ii)	11) (iii)	12) (i)
13) (iii)	14) (i)	15) (v)	16) (ii)	17) (i)	18) (i)
19) (iv)	20) (iii)	21) (ii)	22) (i)	23) (iv)	24) (iii)
25) (iv)					