



1. In a class of 14 students, each one likes either 'tennis' or 'cricket' or both. If 5 students like 'tennis' and 12 students like 'cricket', how many like both the games?  
(i) 6 (ii) 4 (iii) 3 (iv) 2 (v) 0
2. In a class of 25 students, each one likes either 'wrestling' or 'boxing' or both. If 10 students like 'wrestling' and 24 students like 'boxing', how many like 'wrestling' only?  
(i) 4 (ii) 2 (iii) 0 (iv) 1 (v) (-2)
3. In a class of 12 students, each one likes either 'running' or 'high jump' or both. If 7 students like 'running' and 7 students like 'high jump', how many like 'high jump' only?  
(i) 5 (ii) 4 (iii) 3 (iv) 6 (v) 7
4. In a class of 16 students, each one likes either 'Watching TV' or 'Playing' or both. If 7 students like 'Watching TV' and 9 students like 'Playing', how many like both the activities?  
(i) 0 (ii) 1 (iii) (-1) (iv) (-2) (v) 3
5. In a class of 20 students, each one likes either 'Listening music' or 'Painting' or both. If 12 students like 'Listening music' and 19 students like 'Painting', how many like 'Listening music' only?  
(i) 4 (ii) 2 (iii) (-1) (iv) 0 (v) 1
6. In a class of 22 students, each one likes either 'Singing' or 'Listening music' or both. If 12 students like 'Singing' and 17 students like 'Listening music', how many like 'Listening music' only?  
(i) 12 (ii) 8 (iii) 11 (iv) 9 (v) 10
7. In a class of 19 students, each one studies either 'Sanskrit' or 'Urdu' or both. If 17 students study 'Sanskrit' and 13 students study 'Urdu', how many study both the subjects?  
(i) 12 (ii) 11 (iii) 10 (iv) 8 (v) 13
8. In a class of 20 students, each one studies either 'Biology' or 'Physics' or both. If 16 students study 'Biology' and 12 students study 'Physics', how many study 'Biology' only?  
(i) 10 (ii) 8 (iii) 9 (iv) 7 (v) 5
9. In a class of 23 students, each one studies either 'English' or 'Social Studies' or both. If 17 students study 'English' and 16 students study 'Social Studies', how many study 'Social Studies' only?  
(i) 6 (ii) 4 (iii) 7 (iv) 5 (v) 9
10. In a class of 17 students, each one prefers either 'Moped' or 'RTC Bus' or both. If 11 students prefer 'Moped' and 12 students prefer 'RTC Bus', how many prefer both the modes of transport?  
(i) 8 (ii) 7 (iii) 6 (iv) 5 (v) 3
11. In a class of 19 students, each one prefers either 'School Bus' or 'Auto' or both. If 17 students prefer 'School Bus' and 6 students prefer 'Auto', how many prefer 'School Bus' only?  
(i) 13 (ii) 12 (iii) 16 (iv) 10 (v) 14

12. In a class of 19 students, each one prefers either 'School Bus' or 'Moped' or both. If 7 students prefer 'School Bus' and 18 students prefer 'Moped', how many prefer 'Moped' only?  
(i) 10 (ii) 13 (iii) 12 (iv) 11 (v) 14
13. In a class of 16 students, each one reads either 'Hindustan Times' or 'Deccan Chronicle' or both. If 6 students read 'Hindustan Times' and 15 students read 'Deccan Chronicle', how many read both the news papers?  
(i) 6 (ii) 3 (iii) 5 (iv) 4 (v) 7
14. In a class of 33 students, each one reads either 'Deccan Chronicle' or 'The Hindu' or both. If 32 students read 'Deccan Chronicle' and 15 students read 'The Hindu', how many read 'Deccan Chronicle' only?  
(i) 19 (ii) 20 (iii) 18 (iv) 16 (v) 17
15. In a class of 24 students, each one reads either 'Deccan Chronicle' or 'News Today' or both. If 19 students read 'Deccan Chronicle' and 20 students read 'News Today', how many read 'News Today' only?  
(i) 7 (ii) 4 (iii) 6 (iv) 5 (v) 3
16. In a class of 34 students, if 29 students like 'table tennis', 25 students like 'basketball' and 22 students like both the games, how many do not like any of the games ?  
(i) 0 (ii) 5 (iii) 2 (iv) 3 (v) 1
17. In a class of 31 students, if 12 students like 'chess', 8 students like 'running' and 2 students like both the games, how many like 'chess' only ?  
(i) 11 (ii) 10 (iii) 12 (iv) 9 (v) 8
18. In a class of 26 students, if 14 students like 'chess', 23 students like 'carroms' and 11 students like both the games, how many like 'carroms' only ?  
(i) 13 (ii) 12 (iii) 9 (iv) 11 (v) 14
19. In a class of 35 students, 28 students in 'German', 28 students in 'Mathematics', 30 students in 'Science', 22 students in 'German' and 'Mathematics', 24 students in 'Mathematics' and 'Science', 23 students in 'Science' and 'German', 18 students in all the three subjects could get first class marks. How many of them got first class marks in only 'German'?  
(i) 1 (ii) 4 (iii) (-2) (iv) 2 (v) 0
20. In a class of 28 students, 9 students in 'Sanskrit', 15 students in 'Spanish', 14 students in 'Science', 4 students in 'Sanskrit' and 'Spanish', 6 students in 'Spanish' and 'Science', 5 students in 'Science' and 'Sanskrit', 2 students in all the three subjects could get first class marks. How many of them got first class marks in only 'Spanish'?  
(i) 4 (ii) 8 (iii) 9 (iv) 6 (v) 7
21. In a class of 25 students, 14 students in 'Telugu', 18 students in 'Science', 6 students in 'Spanish', 9 students in 'Telugu' and 'Science', 5 students in 'Science' and 'Spanish', 2 students in 'Spanish' and 'Telugu', 2 students in all the three subjects could get first class marks. How many of them got first class marks in only 'Spanish'?  
(i) (-2) (ii) 0 (iii) 2 (iv) 3 (v) 1
22. In a class of 26 students, 12 students in 'Telugu', 14 students in 'Physics', 11 students in 'Sanskrit', 5 students in 'Telugu' and 'Physics', 7 students in 'Physics' and 'Sanskrit', 4 students in 'Sanskrit' and 'Telugu', 1 students in all the three subjects could get first class marks. How many of them got first class marks in exactly two subjects?  
(i) 14 (ii) 11 (iii) 12 (iv) 13 (v) 16

23. In a class of 27 students, 7 students in 'Hindi', 20 students in 'Biology', 19 students in 'Social Studies', 5 students in 'Hindi' and 'Biology', 14 students in 'Biology' and 'Social Studies', 5 students in 'Social Studies' and 'Hindi', 4 students in all the three subjects could get first class marks. How many of them got first class marks in more than one subject?
- (i) 16 (ii) 13 (iii) 15 (iv) 19 (v) 17
24. In a class of 27 students, 20 students in 'French', 16 students in 'German', 9 students in 'Mathematics', 11 students in 'French' and 'German', 4 students in 'German' and 'Mathematics', 7 students in 'Mathematics' and 'French', 3 students in all the three subjects could get first class marks. How many of them got first class marks in none?
- (i) 2 (ii) 0 (iii) (-1) (iv) 3 (v) 1
25. In a class of 33 students, 18 students like 'wrestling', 12 students like 'kabaddi', 27 students like 'table tennis', 5 students like 'wrestling' and 'kabaddi', 9 students like 'kabaddi' and 'table tennis', 15 students like 'table tennis' and 'wrestling', 4 students like all the three games. How many of them like only 'wrestling'?
- (i) 1 (ii) (-1) (iii) 2 (iv) 4 (v) 3
26. In a class of 35 students, 28 students like 'football', 8 students like 'cricket', 14 students like 'volleyball', 6 students like 'football' and 'cricket', 4 students like 'cricket' and 'volleyball', 10 students like 'volleyball' and 'football', 3 students like all the three games. How many of them like only 'cricket'?
- (i) 1 (ii) 4 (iii) 0 (iv) (-2) (v) 2
27. In a class of 35 students, 17 students like 'Painting', 14 students like 'Listening music', 30 students like 'Helping parents', 7 students like 'Painting' and 'Listening music', 13 students like 'Listening music' and 'Helping parents', 14 students like 'Helping parents' and 'Painting', 7 students like all the three activities. How many of them like only 'Painting'?
- (i) 2 (ii) 4 (iii) 3 (iv) 6 (v) 1
28. In a class of 25 students, 18 students like 'Dancing', 9 students like 'Painting', 14 students like 'Listening music', 6 students like 'Dancing' and 'Painting', 5 students like 'Painting' and 'Listening music', 11 students like 'Listening music' and 'Dancing', 4 students like all the three activities. How many of them like only 'Painting'?
- (i) 2 (ii) 0 (iii) 3 (iv) 1 (v) 5
29. In a class of 30 students, 22 students prefer 'RTC Bus', 25 students prefer 'Moped', 20 students prefer 'School Bus', 19 students prefer 'RTC Bus' and 'Moped', 16 students prefer 'Moped' and 'School Bus', 14 students prefer 'School Bus' and 'RTC Bus', 12 students prefer all the three modes of transport. How many of them prefer only 'School Bus'?
- (i) 2 (ii) 1 (iii) 0 (iv) 3 (v) 4
30. In a class of 35 students, 16 students prefer 'Auto', 27 students prefer 'Scooter', 6 students prefer 'Bicycle', 12 students prefer 'Auto' and 'Scooter', 4 students prefer 'Scooter' and 'Bicycle', 4 students prefer 'Bicycle' and 'Auto', 2 students prefer all the three modes of transport. How many of them prefer exactly two modes of transport?
- (i) 15 (ii) 17 (iii) 13 (iv) 14 (v) 12
31. In a class of 28 students, 18 students read 'Deccan Chronicle', 14 students read 'The Hindu', 23 students read 'News Today', 8 students read 'Deccan Chronicle' and 'The Hindu', 12 students read 'The Hindu' and 'News Today', 15 students read 'News Today' and 'Deccan Chronicle', 7 students read all the three news papers. How many of them read more than one news paper?
- (i) 21 (ii) 23 (iii) 19 (iv) 22 (v) 20

32. In a class of 28 students, 23 students read 'News Today', 15 students read 'Hindustan Times', 20 students read 'Deccan Chronicle', 11 students read 'News Today' and 'Hindustan Times', 11 students read 'Hindustan Times' and 'Deccan Chronicle', 16 students read 'Deccan Chronicle' and 'News Today', 8 students read all the three news papers. How many of them read none?

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

## Assignment Key

1) (iii)	2) (iv)	3) (i)	4) (i)	5) (v)	6) (v)
7) (ii)	8) (ii)	9) (i)	10) (iii)	11) (i)	12) (iii)
13) (iii)	14) (iii)	15) (iv)	16) (iii)	17) (ii)	18) (ii)
19) (i)	20) (v)	21) (v)	22) (iv)	23) (i)	24) (v)
25) (iii)	26) (i)	27) (iii)	28) (i)	29) (i)	30) (iv)
31) (i)	32) (iv)				