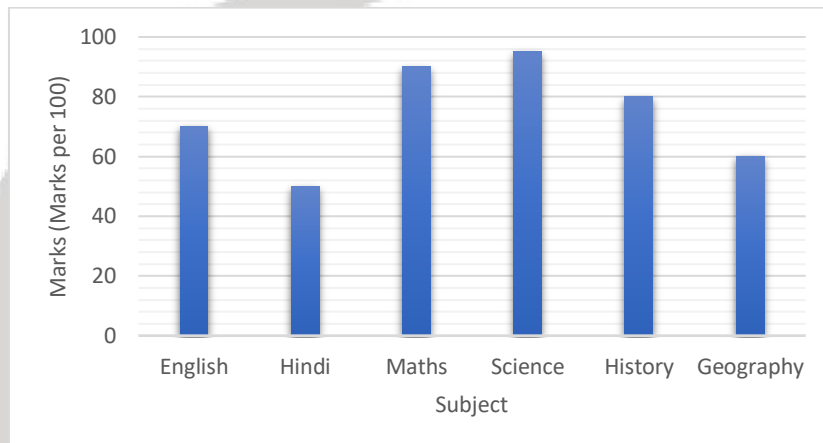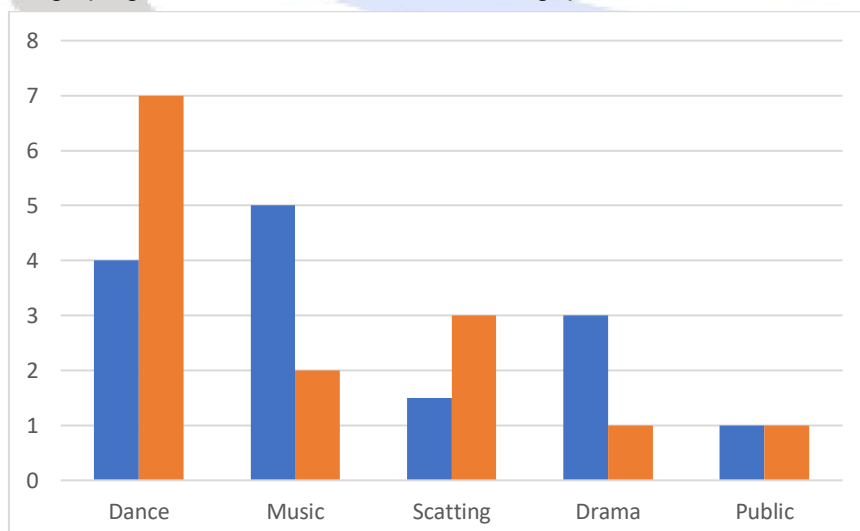1.   If the mode of 5,3,3,2,2, x is 3, then what is the value of x?

2.   What is the mean of x, x + 1, x + 2, x + 3, x + 4?

3.   The mean of 7,15 and z is 12, then what is the value of z?

4.   The daily earnings (in rupees) of 10 workers in a factory are 8,16,19,8,16,19,16,8,19,16 What is the median wage?

5.   The marks (out of 100) obtained by a group of students in a Sanskrit test are 90, 81, 95, 90, 44, 53, 61, 98, 166, 81 and 10. Find the range of the marks obtained.

6.   The arithmetic mean of five given numbers is 17. What is their sum?

7.   If each entry of a data is increased by 5, then what is the change in arithmetic mean?

The bar graph given below represents the marks of a student in six different subjects. Read the following graph and answer the questions given below.

8.   In which subject did the student score maximum and how much did he score in that subject.

9.   In which subject is the student's score minimum how much did he score in that subject?

10.   What are the average marks obtained by the student in best 3 subjects according to score.

11.   What is the average obtained by students in Hindi, Geography and English?

12.   What is the ratio of the highest marks to the lowest marks obtained by the student?
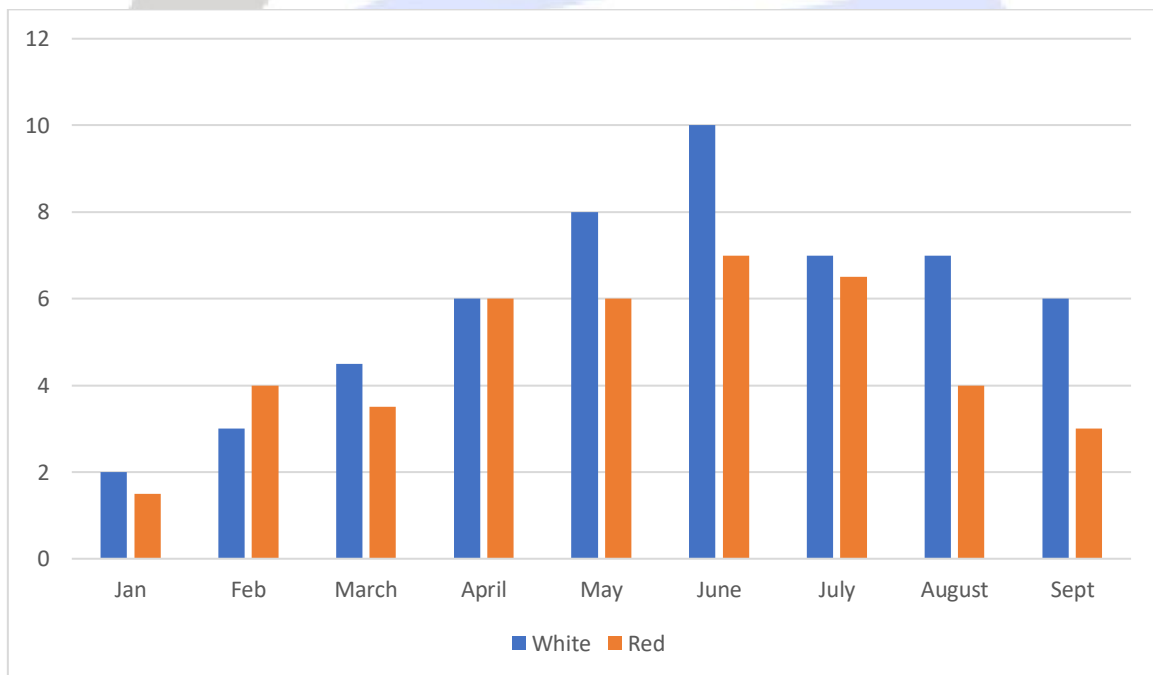
The following bar graph represents the no. of students attending hobby classes in school during 2 weeks. Read the double bar graph given here and answer the following questions.

16.   In which hobby class the increase in strength of the students maximum from week 1 to week 2?

17. In which hobby class did the decrease in strength of the students maximum from week 1 to week 2?

18. In which hobby class was the strength of students remained same during both weeks?

19. Considering both weeks together, which hobby class was attended by maximum no. of students.

20. Considering both weeks together which hobby class was attended by minimum no. of students?

21. A bag contains 10 balls, out of which 7 are red and 3 are green. What is the probability of getting a green ball?

22. A card is picked at random from a pack of 52. What is the probability that the card selected at random will be a jack?

23. What is the probability of getting a 5.

24. What is the probability of getting an even number?

25. What is the probability of getting an odd number?

26. What is the probability of getting a prime number.

27. In a survey of 100 girls, it was found that 80 liked tea while 20 disliked it. Out of these girls, one is chosen at random. What is the probability of that chosen girl?
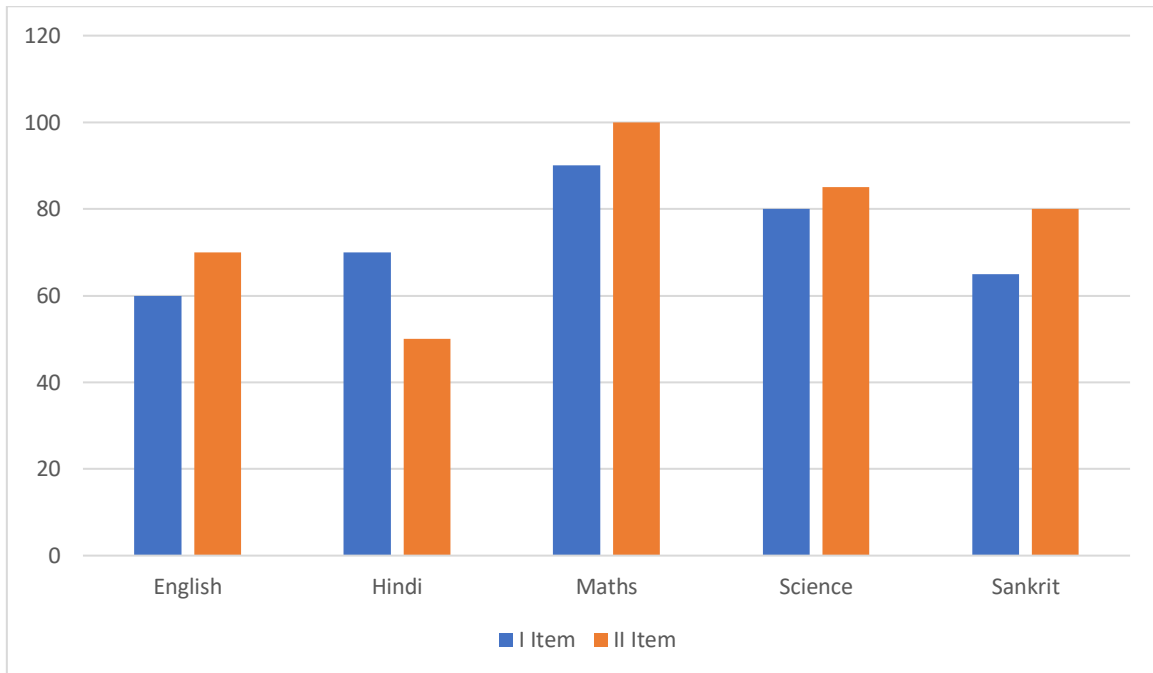
    (i) likes tea   (ii) dislikes tea

Following is the dual bar graph on the no. of cars of 2 different colours sold by a company in the first 9 months of a year. Read the bar graph carefully and answer the following questions:

28. During which month was the sale of both cars maximum?

29. During which month was the sale of both cars minimum?

30. During which months did the sale of white cars exceed the sale of red cars?

31. During which months the sale of red cars exceed the sale of white cars

32. During which month the difference of sales of both colours maximum?

33. During which month the difference of sales of both colours minimum?

34. What is the mode of 13, 18, 13, 14, 13, 15, 20, 21, 13?

35. A card is selected at random from a pack of 52 cards. What is the probability that it will be a spade?

36. If the mean of 9,5,6, x and 3 is 7, find the value of x.

37. Find the probability of getting letter 'M' in 'MATHEMATICS'.

38.   The following data shows the weight (in kg) of 15 workers in a factory 75,60,63,66,60,63, 60,60,66,63,66,63,72,66,63,75. Arrange the data in ascending order:

39.   Find the value of x so that the mode of the following data is 23.

[2,15,19,21,23,23,23,26, x, 38]

40.   If the median of the following 11 observations is 16, find x.

6,8,9,13,15, x, 18,21,21,22,25

41.   Find the mode and median of the data: 6,15,120,50,100,80,10,15,8,10,15.

The following dual bar graph represents performance of Prateeksha in I term and II term. Observe the bar graph carefully and answer the following questions.

42.   In which subject has she improved the most?

43.   In which subject her improvement is the least.

44.   In which subject has the performance gone down?

45.   In which subject the highest marks are scored in term II?

C-9, Greater Kailash Enclave 2, New Delhi; Phone: 9810815644, 9910393669
Email: info.educonclave@gmail.com; sangeettuli@gmail.com

3