

II	An agency has decided to install customised playground equipment at various colony parks. For							
	that they decided to study the age-group of children playing in a park of the particular colony. The							colony. The
	classification of children according to their ages, playing in a park is shown in the following tak							owing table.
		Age(in years)	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	5
		No. of children	43	58	70	42	27	
	Based on the above information answer the following questions.							
	6 W				e group.		1	
	0. W	hat is the nodal age of	of the moda $\frac{1}{1000}$	l class?	- nark?		1m 2m	
	8. Find the sum of the lower limit of the modal class and upper limit of 2m							
	the median class.							
III	In a Vidyalaya there are two sections A and B. 39 students are there in section A and in section E there are 41 students. A periodic test was conducted to assess the performance of students thereafter analyze and plan the teaching learning process accordingly. The marks obtained out of 40 are given below in the table.						in section B ents ined out of	
	Marks o	btained by the studen	its	Nu	nducted to assess the performance of students ning process accordingly. The marks obtained out of Number of students			
	Less that	Iarks obtained by the studentsNumber of studentsess than 53						
	Less than 10 Less than 15 Less than 20			12	12           22           35			
				22				
				35				
	Less that	an 25		42				
	Less that	Less than 3060						
	Less than 35			71	71			
	Less than or equal to 4080							

	9.Arrange the given data in class intervals.	Jwing questions.	1m					
	10. How many students have obtained more t	1m						
	11. Find the median of the marks obtained.		2m					
	12. Find the mode of the marks obtained.		2m					
IV	<ul> <li>IV An international cricket tournament was organized. Ten teams participated in the tou the players got opportunity to bat in their first match. The lowest and highest runs s individual player in their first match are 0 and 99 respectively. Runs scored by the p first match is given below in the table: -</li> </ul>							
	Runs scored by the players in the first match							
	More rhan or equal to 0	110						
	More rhan or equal to 10	105						
	More rhan or equal to 20	95						
	More rhan or equal to 30	81						
	More rhan or equal to 40	69						
	More rhan or equal to 50	51						
	More rhan or equal to 60	45						
	More rhan or equal to 70	30						
	More rhan or equal to 80	20						
	More rhan or equal to 90	8						
	Based on the above information answer the following questions:							

	13. How many players scored more than or equal to 50 runs?								
	14. How many players scored less than 10 runs?								
	15. Find the mean number of runs scored?								
	16.   Find the mode of the runs scored?								
V	Formula one Portugese Grand Prix technical team at the Algarve International Circuit are analysing last year data of drivers' performance to provide valuable inferences to commentators on how the drivers can improve this year.								
	Times(in minutes)         70 - 80         80 - 90         90 - 100								
	Number of drivers4101420		20	24	8				
	The time taken by 80 drivers to complete a journey is given in the table:         Based on the above information answer the following questions:         17.       In which interval does the median of the distribution lie?         18.       In which interval does the mode of the distribution lie?         19.       What is the modal time taken to complete journey?								
	20.     Find the median time taken if the mean time taken is 104.25 minutes?     2m							2m	
	Answers								
	1	42	2	170	3	136.7g	4	133.3g	
vers	5	10-12	6	10	7	19	8	20	
Answ	10	9	11	21.92	12	28.06	13	51	
	14	5	15	50.82	16	43.3	17	100-110	
	18	110-120	19	112minute	es 20	106.83minutes			