Data Interpretation

Introduction

Data Interpretation is a method that is used to derive useful information from a collected set of data. This collected data could be in the form of a pie chart, graph, table etc. The data has to be analyzed and utilized by the student to write a paragraph providing the factual information. In simple words, you will be presented with a data in the form of a pie chart/bar graph/line graph/table etc. Based on the given data you will have to write a paragraph.

Difference between paragraph writing and data interpretation:

A paragraph can be written on any topic whatsoever. Data interpretation, on the other hand, compiles a given set of data and frames it into a paragraph. A paragraph usually consists of several sentences that deal with a single subject. Although a paragraph has some limitation on length, it may vary according to the subject discussed. However, data interpretations have to give the details of the specified data in a precise, simple and crisp way.

Points to Remember:

1. Data interpretation does not follow any format and is written in a paragraph.

2. It should always be written in a precise manner, by using short and crisp sentences.

Indian Students Studying in Foreign Countries

Q. The given table shows the number of Indian students who went to study in foreign countries. On the basis of the given information, write a paragraph describing the change that has occurred in the last three years.

Table showing number of Indian students studying in different countries			
Countries	**Number of students studying in these countries**		
	2009	**2010**	**2011**
P	10,600	12,000	14,080
Q	15,000	25,050	40,350
R	20,000	30,400	70,030
S	5,000	2820	2320
T	8,000	18000	32,546

Answer:

Overseas education has gained popularity over the years. Country R continues to be the most popular destination since the year 2009. The number of students has increased radically from a mere 20,000 to 70,030 students. Q seems to be the second most popular destination for Indian students with over 40,000 students studying there in 2011. S is the least popular destination for graduate studies.

T's popularity as a destination for graduate studies has increased over the last few years. Today, over 32,500 Indian students study at country T. Country P seems to be a middling destination as each year the number of students going there increases only by 1500 to 2000 students.

Increase in Prices of Fuels

Q. The data given below indicates Rs/unit increase in the prices of the fuels over the last three years. Write a paragraph on the basis of the given data.

| Petrol	Diesel	CNG
2012 - 68.46	2012 - 46.95	2012 - 38.35
2011 - 65.64	2011 - 40.91	2011 - 33.75
2010 - 55.87	2010 - 37.75	2010 - 32

Answer:

The hike in the prices of fuels has been consistent for many years now. The above chart shows the rise in the prices of fuels in last three years. The rise in the price of petrol has been quite drastic. The price of petrol per/lt in the year 2010 was Rs 55.87 which rose by Rs 9.77 within two years.

The price of diesel has risen to Rs 46.95 in the year 2012 from Rs 40.91/lt within a year. The price rise in CNG has also increased from Rs 32 in 2010 to Rs 38.35 in 2012.

Attitude of People Towards Animals

Q. You are a member of the Society for Prevention of Cruelty to Animals in your locality. The following Pie-chart reflects the attitude of the people towards animals. Interpret the data given in the pie chart in about 100 words.
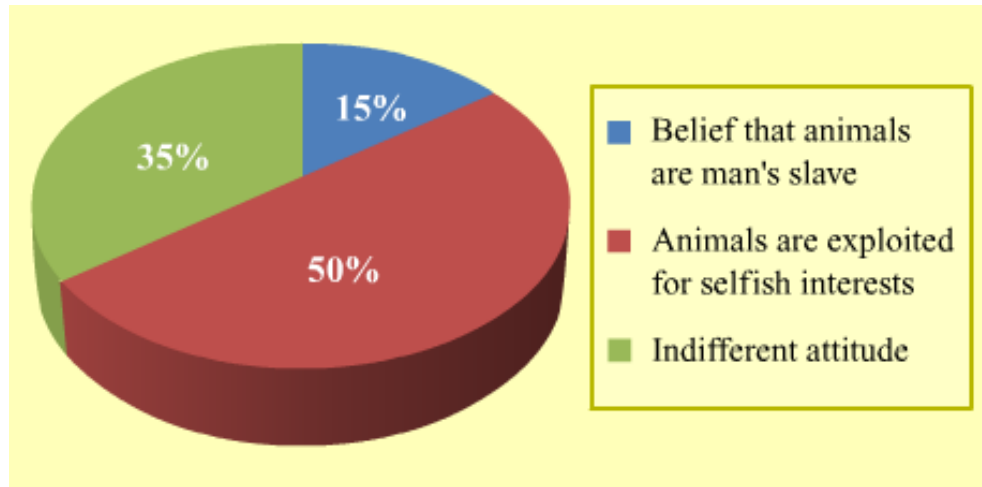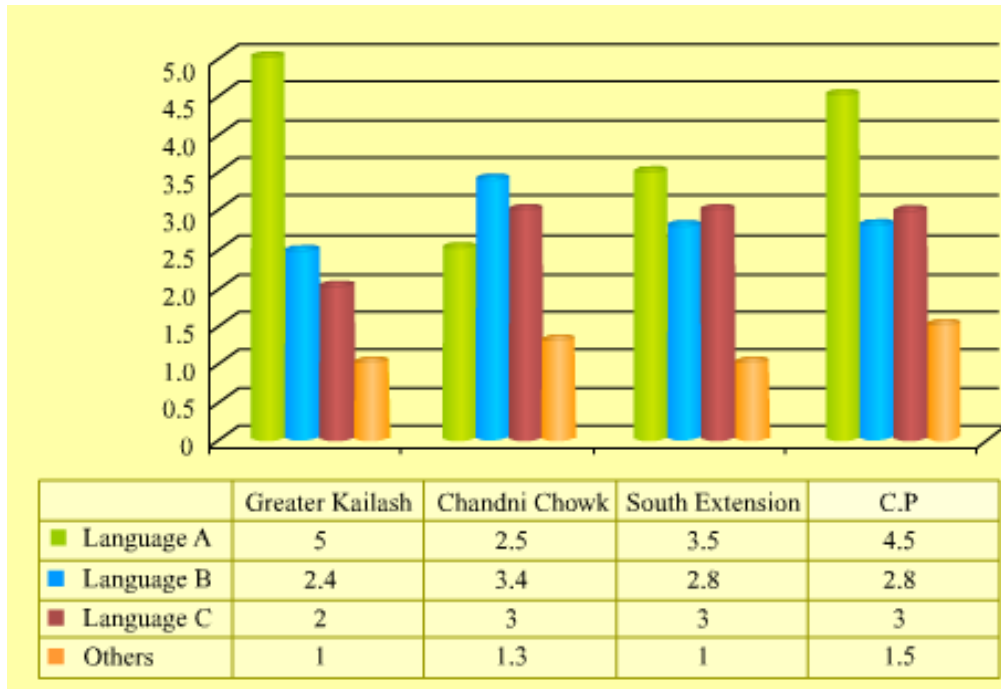
Answer:

The above survey reveals the indifferent and callous attitude of human beings towards animals. The majority of the exploitations, amounting to 50%, are for selfish interests. A large number of attractive items are made from the skin and bones of animals. It is sad to note that around 15% of the people treat animals like slaves.

These people ill-treat the animals to get their work done. Also, they do not take proper care to feed the animals. Around 35% of the people have an indifferent attitude towards animals. They are unconcerned about the condition of these animals.

Popular Languages Among Residents of Delhi

Q. The bar graph given below depicts four locations of Delhi and the most popular languages among the residents of these areas. Write a paragraph interpreting the data.

	Greater Kailash	Chandni Chowk	South Extension	C.P
■ Language A	5	2.5	3.5	4.5
■ Language B	2.4	3.4	2.8	2.8
■ Language C	2	3	3	3
■ Others	1	1.3	1	1.5

Answer:

A survey was conducted in four major locations of Delhi: Greater Kailash, Chandni Chowk, South Extension and Connaught Place. It revealed the popularity of three languages among the residents of these areas. Language A is almost equally popular among the residents of Greater Kailash and Connaught Place. Language B is almost evenly spoken among the residents of all the above surveyed locations.

However, it is a little more popular among the residents of Chandni Chowk. Language C is equally popular among the residents of Chandni Chowk, South Extension and Connaught Place even though its usage is comparatively a little less in the Greater Kailash area.

Circulation of Four Newspapers Across Mumbai

Q. The following pie chart shows the circulation of four newspapers across Mumbai. Based on your understanding of the pie-chart, write a paragraph of about 100 words.
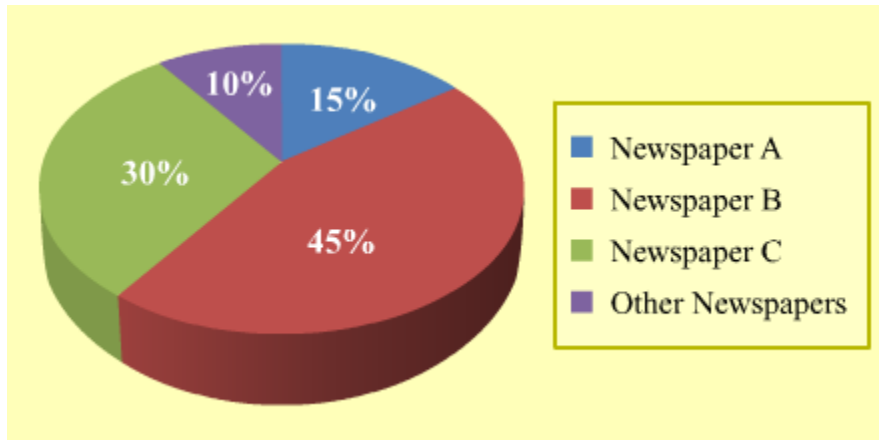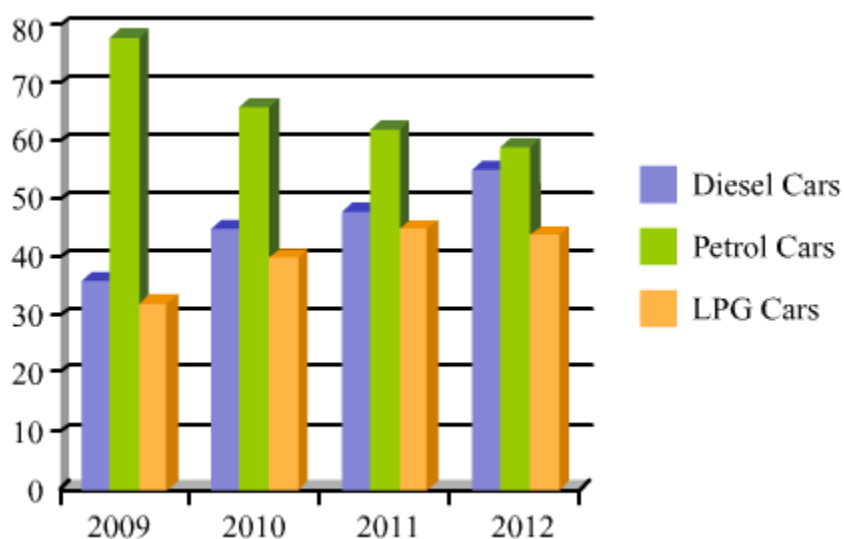
Answer:

Newspaper is one the most popular forms of communication. A large number of newspapers are published and read in India. The above pie-chart shows the circulation of four newspapers in Mumbai. Newspaper B has the highest readership with 45% of the readers preferring it over the others. The second most popular newspaper is Newspaper C with 30% of the people reading it. The circulation of the other newspapers is merely 10% as Newspapers B and C together cover the larger portion of the market. The circulation of newspaper A is half as popular as newspaper C.

Percentage Change in the Sale of Cars

Q. The bar graph given below shows the percentage change in the sale of diesel, Petrol and LPG cars over the last few years in a metro city. Write a paragraph based on your understanding of the graph.
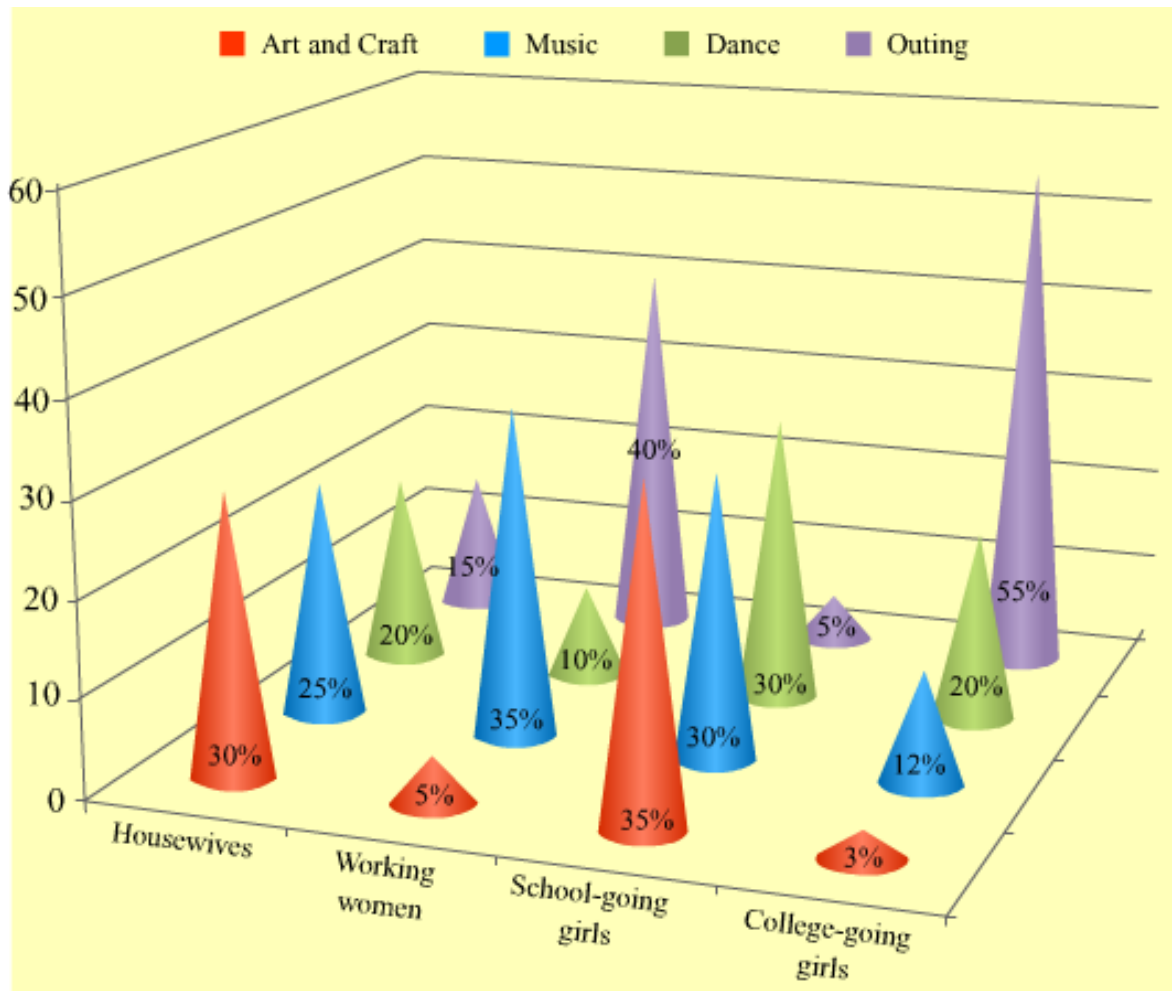

Answer:

As the result of constant fuel price hike, the sales of diesel, petrol and LPG cars have seen a drastic change over the years. There has been a huge decline in the sales of petrol cars due to the increase in the price of petrol. The sales of petrol cars in the year 2009 were nearly 80%, which constantly decreased post 2010.

Diesel cars are comparatively more expensive, thus, their sales were only about 36% in 2009. However, by 2012, it has risen to 55%. LPG cars are cost-effective and, therefore, a constant increase in its sales can be clearly marked. The sales of these cars were just about 32% in 2009 but it is approximately 43% in 2012.

Preferences and Hobbies of Women in Different Ages and Profession

Q. The below given is a cone graph. On a scale of 0-5, likes, preferences and hobbies of women in different ages and profession is represented. These women and girls live in ABC city. Write down a paragraph based on your understanding of the data.
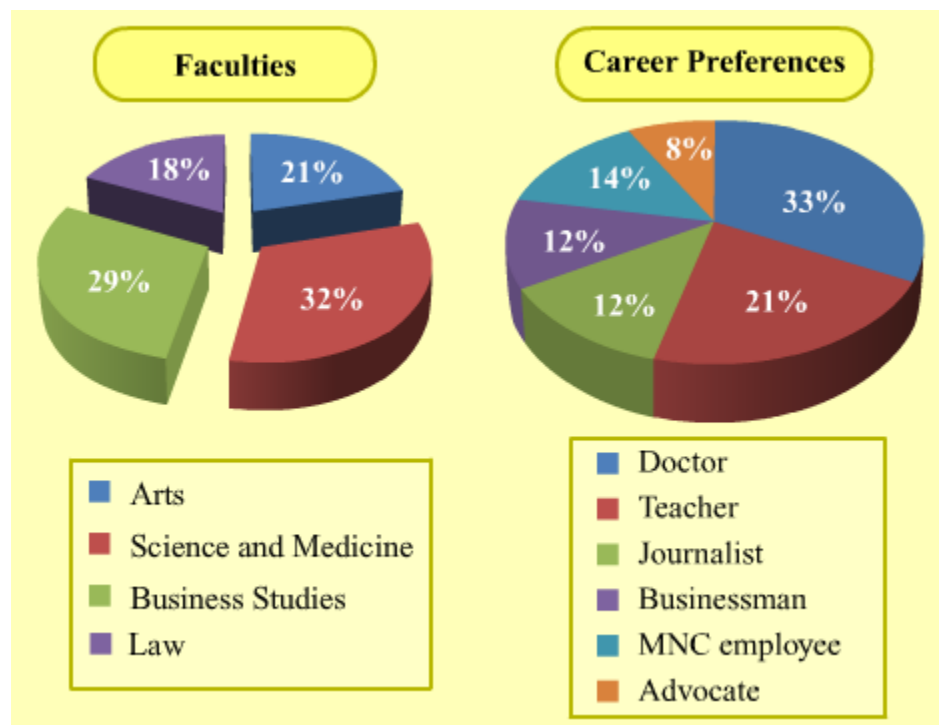

Answer:

The above survey represents the likes and preferences of women of ABC city. The women under study are from different age-groups and professions, thus, have varying tastes and hobbies. Most of the working women like to go on outings and listen to music. They have a little interest in dance and art and crafts. On the other hand, housewives are most interested in art and crafts. They are also quite interested in music and dance. However, they rarely go on outings. College-going girls are mostly interested in outings and least interested in art and crafts. School going girls prefer indulging in art and craft, music and dance in comparison to going out.

Careers Preferences of Students of ABC University

Q. One of the given pie charts shows the percentages of students studying in different faculties of ABC University. The other chart shows careers preferences of these students. Write a paragraph based on your understanding of the charts.
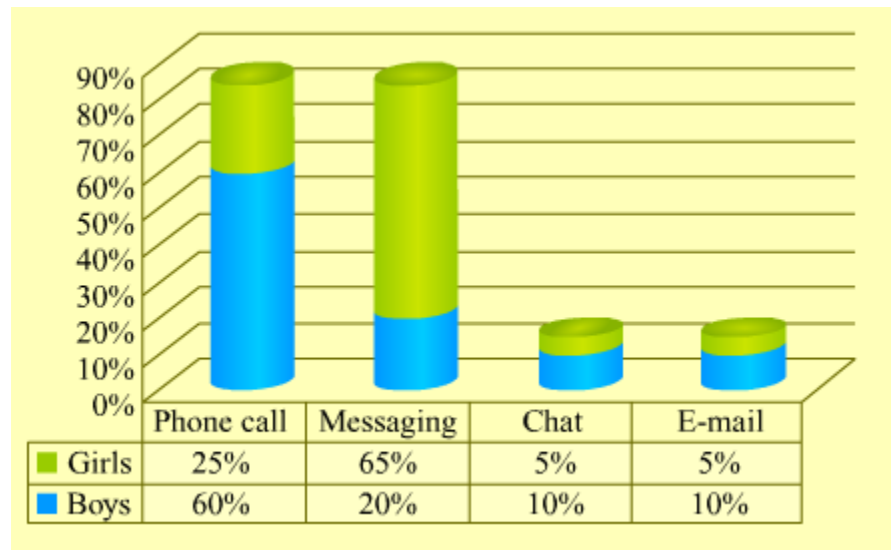

Answer:

The above survey depicts the percentage of students studying at different faculties of ABC University. With 32%, the Science and Medicine Faculty has the highest percentage of students. The percentage of students in the Faculty of Business Studies is 29%. The Arts Faculty has 21% and the Law Faculty has merely 18% of the students studying in them. As the number of students is highest in the Science and Medicine Faculty, the percentage of students who wish to become doctors is also the highest. Teaching is the second most preferable profession, followed by MNC employment. The

next popular career fields are those of business and journalism. Only 8% of the students wish to pursue a career as an advocate.

Popular Means of Communication Among Boys and Girls

Q. The following graph shows the popular means of communication among the boys and girls in the 18-21 age group in ABC city.

|	Phone call	Messaging	Chat	E-mail
Girls	25%	65%	5%	5%
Boys	60%	20%	10%	10%

Answer:

A survey was conducted in ABC city to find out the popular means of communication among the boys and girls in the age group of 18-21. The study reveals that boys mostly use a phone to communicate. They prefer calling a person rather than using other modern means of communications, such as messaging and chatting. Messaging is the second most popular choice among boys. They give an equal preference to chat and emails. The preferred means of communication among the girls of this age group is messaging. The second most preferred way among them is a phone call. According to this survey, girls do not prefer using chat and emails for communication.

Popularity of various TV channels

Q. The given line graph depicts the popularity of various TV channels across Delhi, Gurgaon and Noida. Write a paragraph based on the given data.
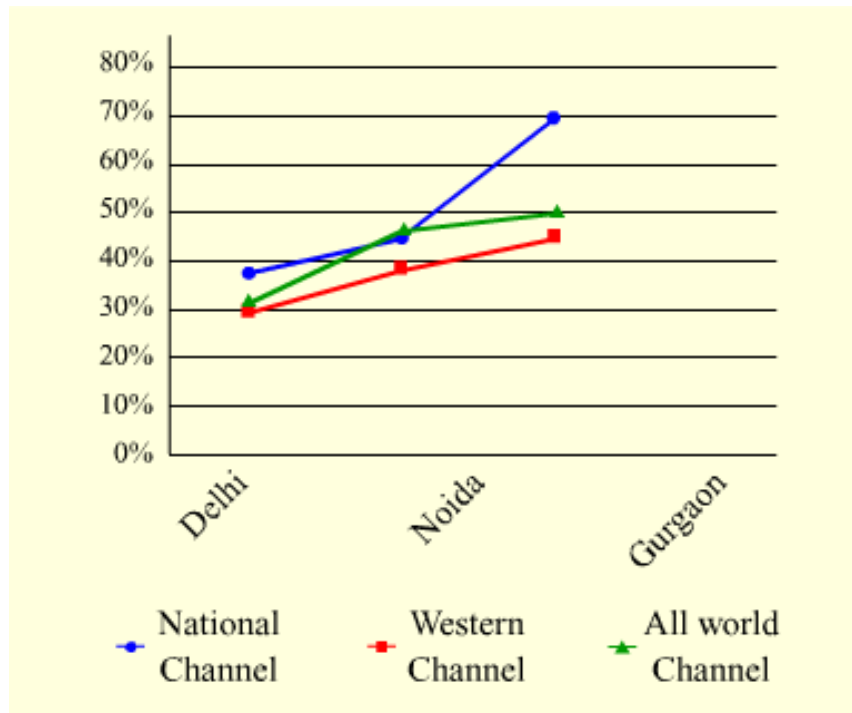
Answer:

Watching TV is one of the most popular pastimes. A survey conducted in New Delhi, Gurgaon and Noida revealed the popular TV channels in these regions.

In Delhi, the most popular channel is the National channel with 38% of the TV audience preferring it. National Channel is also the most popular in the city of Gurgaon with 70% of the audience. The other two channels, Western channel and All world channel, have almost equal audience in Delhi, with 30% and 32% respectively. In Noida, National channel and All World channel are quite equally popular, with nearly 45% and 46% of the TV audience respectively. All World channel is the second most popular among the residents of Gurgaon.