

Home Assignment

Subject: Economics

Statistics for Economics

Very Short Answer Type Questions (1 mark each):

- 1.] What is diagrammatic presentation of data?
- 2.] What is meant by one-dimensional diagram?
- 3.] What are the main types of one dimensional diagrams?
- 4.] What will be the degree of an angle in the pie-diagram, if X spends 40% of income on food?
- 5.] Which bar diagram is used to show two or more characteristics of the data?
- 6.] Mention the total of the degrees of all the angles formed at the centre of a circle?
- 7.] Name a bar diagram where height of all the bars is the same.
- 8.] What type of diagram will be used to depict various components of a variable?
- 9.] Which bar diagram is used to represent net changes in data?
- 10.] What is another name of sub-divided bar diagram?

Diagrammatic Presentation

(5) marks each

- 1.] Show the following details of monthly expenditure of two families given below by sub-divided bar diagram or component bar diagram.

<u>Items of expenditure</u>	Family A (Income 25,000)	Family B (Income 40,000)
Food	10,000	12,000
Clothing	5,000	10,000
House rent	4,000	6,000
Miscellaneous	4,500	8,000
Savings	1,500	4,000

- 2.] Represent the following data by deviation bar diagram:-

Year	2003	2004	2005	2006	2007
Net profit/loss (₹ Crores)	150	200	70	-50	-20

3] Draw a pie diagram to represent the following data of expenditure of an average working class family.

Items of expenditure	Food	Clothing	Housing	Fuel	Others
% of total expenditure	60	15	10	12	3

4] Represent the data relating to the cost of production in factory by means of percentage diagram:-

Elements of cost (₹ in '000)	Items		
	A	B	C
Raw Materials	75	55	60
Wages	45	30	25
Factory overheads	15	10	30
Office overheads	5	15	5

5]. The following is the age distribution of workers of a factory. On the basis of this information, construct a histogram and convert it into a frequency polygon.

Age (in years)	20-30	30-40	40-50	50-60	60-70
No. of workers	15	25	7	5	2

6] From the following distribution of monthly income of 60 people in a company, draw a 'less than' and 'more than' ogive curve.

Monthly income (₹ in '000)	No. of people
10 - 20	6
20 - 30	9
30 - 40	10
40 - 50	15
50 - 60	12
60 - 70	8

Dear students, always believe in yourself. You have the ability to do any kind of work whatever it is easy or tough. So be confident and work hard to get your dream.

In your life, you will face many bad and hard times. Never lose hope in your bad time. After the heavy rain, we can see the sunshine. Always be positive. All the best my dear students.

#Stay_Home #Stay_Safe

On behalf of department of Economics
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