

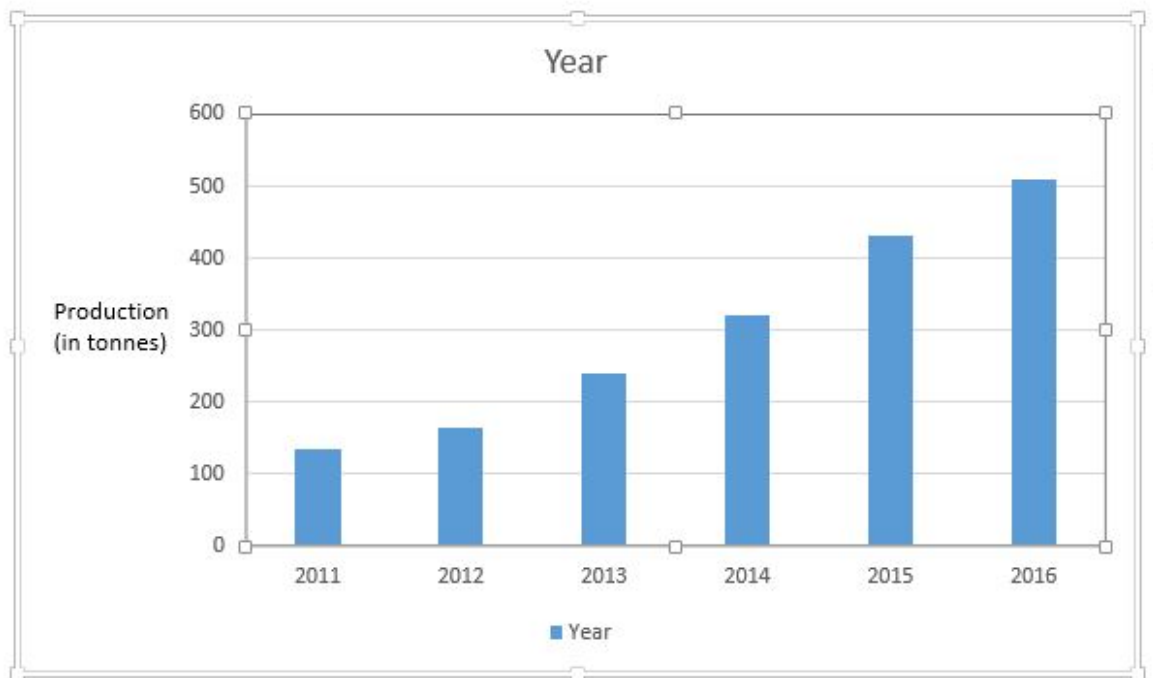
## Chapter 3 – Diagrammatic Presentation

### Question 1

The below-mentioned data is of a cement factory (2011 – 16). Arrange a bar diagram.

Year	2011	2012	2013	2014	2015	2016
Production (in M. Tonnes)	135	165	240	320	430	510

**Answer:**

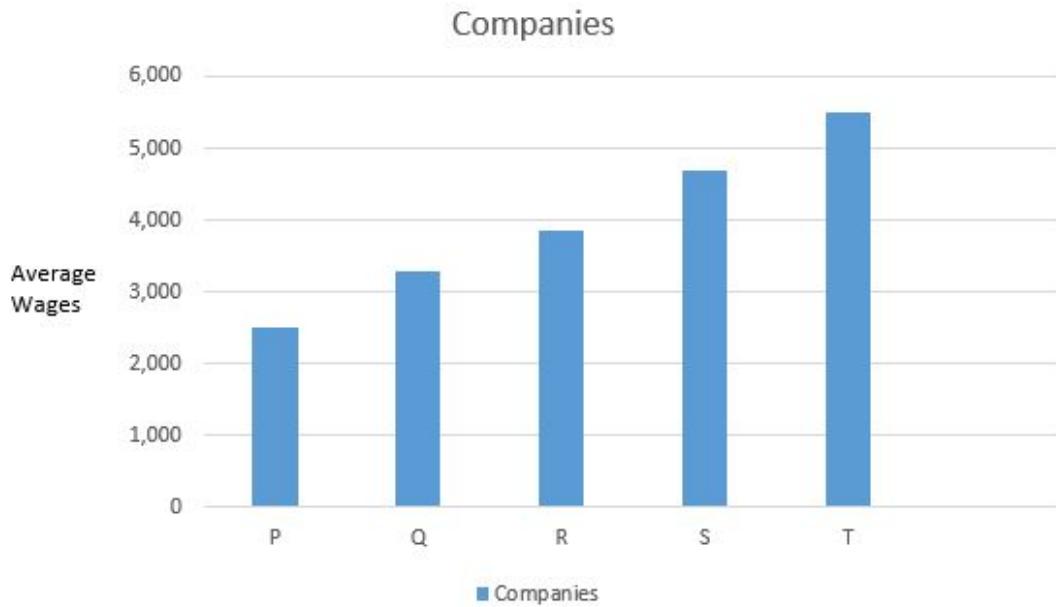


### Question 2

Few companies average wages are mentioned below. Prepare a bar diagram.

Companies	P	Q	R	S	T
Average Wages	2,500	3,300	3,850	4,700	5,500

**Answer:**

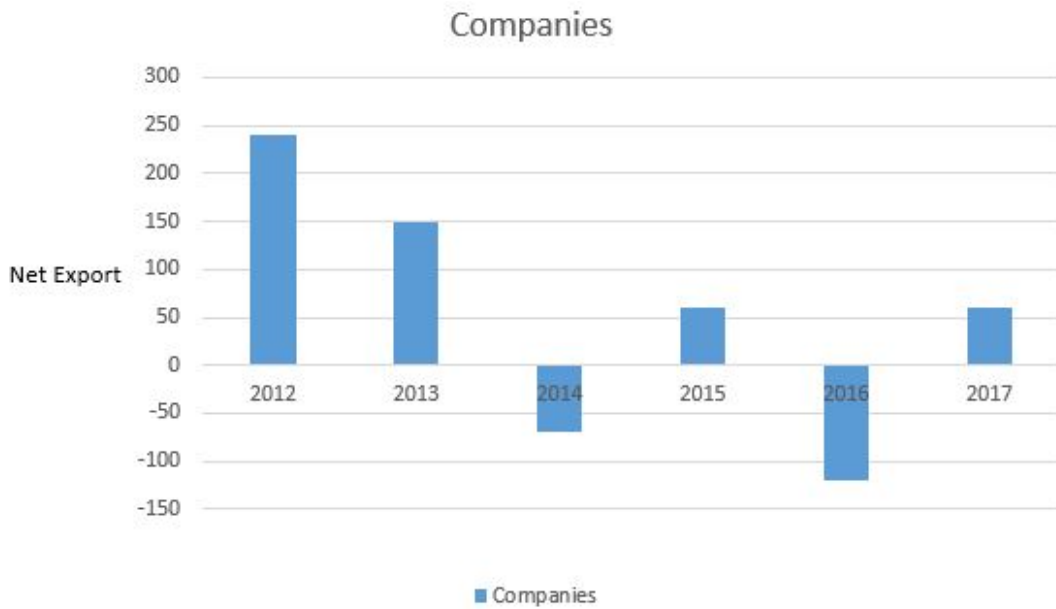


**Question 3**

Prepare a bar diagram from the following net export data a firm.

Year	2012	2013	2014	2015	2016	2017
Net Exports (in Crores)	240	150	(- )70	60	(- )120	60

**Answer:**



**Question 4**

Draw a pie diagram with a determined percentage break-up for the construction of a house.

Bricks	Labour	Steel & timber	Marble	Cement	Miscellaneous
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20%	12%	25%	15%	13%	15%
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Construct a pie diagram to represent the given data.

**Answer:**

The percentage values are converted into degree values using the following formula.

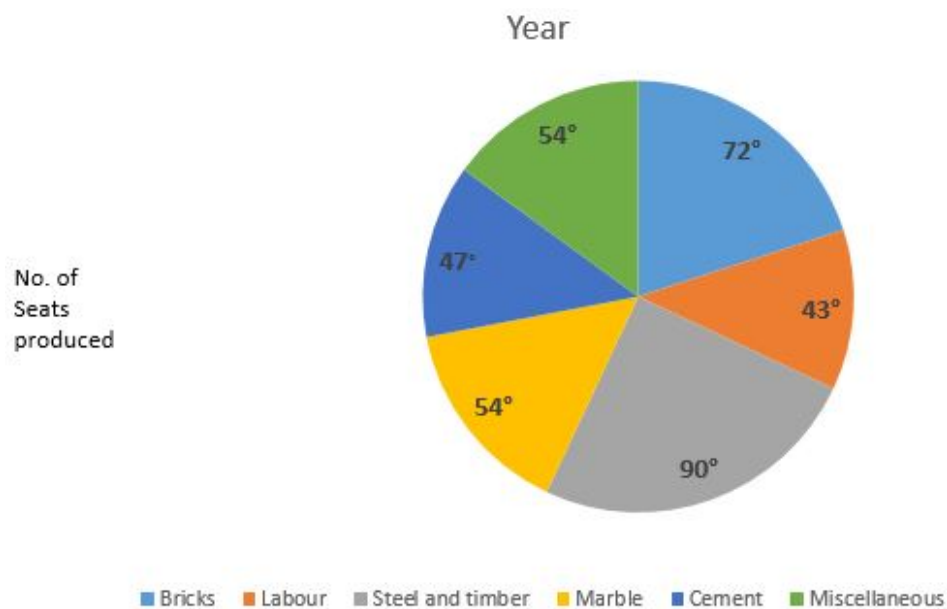
$$\text{Degree share} = \frac{\% \text{share}}{100} \times 360$$

$$= \text{Percentage share} \times 3.6$$

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Items	Expenditure (in %)	Degree Share
Bricks	20	$20 \times 3.6 = 72^\circ$
Labour	12	$12 \times 3.6 = 43.2^\circ$
Steel and timber	25	$25 \times 3.6 = 90^\circ$
Marble	15	$15 \times 3.6 = 54^\circ$
Cement	13	$13 \times 3.6 = 46.8^\circ$
Miscellaneous	15	$15 \times 3.6 = 54^\circ$
		360°



**Question 5**

Present a bar diagram from the below table gives information about a company that produces a number of seats for different years.

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Year	No. seat produced
2012-13	6,000
2013-14	8,500
2014-15	12,000
2015-16	14,600
2016-17	18,000

**Answer:**

