# Data and its Presentation

| Competency | | Suggested teaching | Suggested assessment |
|---|---|---|---|
| CM6.2 | Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data | Lecture, small group discussion, DOAP sessions | Written/viva voce/skill assessment |
| CM6.3 | Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various study designs | Lecture, small group discussion, DOAP sessions | Written/viva voce/skill assessment |
| CM7.4 | Define, calculate and interpret morbidity and mortality indicators based on given set of data | Small group, DOAP sessions | Written/skill assessment |

1. **Draw the appropriate chart for presenting the causes of worldwide deaths in following table:**

| S.No. | Disease | Proportion (%) |
|---|---|---|
| 1. | CVD | 48 |
| 2. | Infectious diseases | 26 |
| 3. | Cancer | 22 |
| 4. | Accident | 04 |

**Ans.** Pie chart
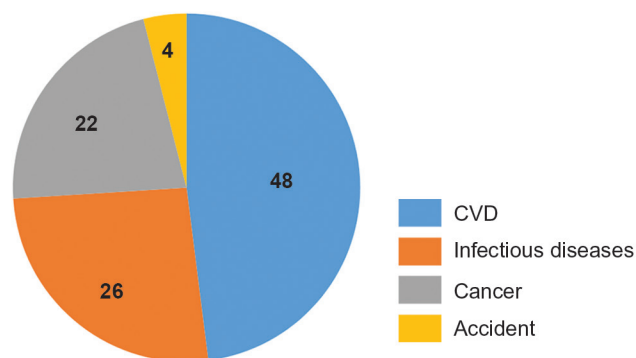
2. **Draw the appropriate chart for decade-wise birth and death rates in India.**

| Decade | 1901–11 | 11–21 | 21–31 | 31–41 | 41–51 | 51–61 | 61–71 | 71–81 | 81–91 | 91–01 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Birth rate** | 49.2 | 48.1 | 46.4 | 45.2 | 39.9 | 41.7 | 41.2 | 37.2 | 32.5 | 25.0 |
| **Death rate** | 42.6 | 47.2 | 36.3 | 31.2 | 27.4 | 22.8 | 19.0 | 15.0 | 11.4 | 8.1 |

**Ans.** Multiple bar chart
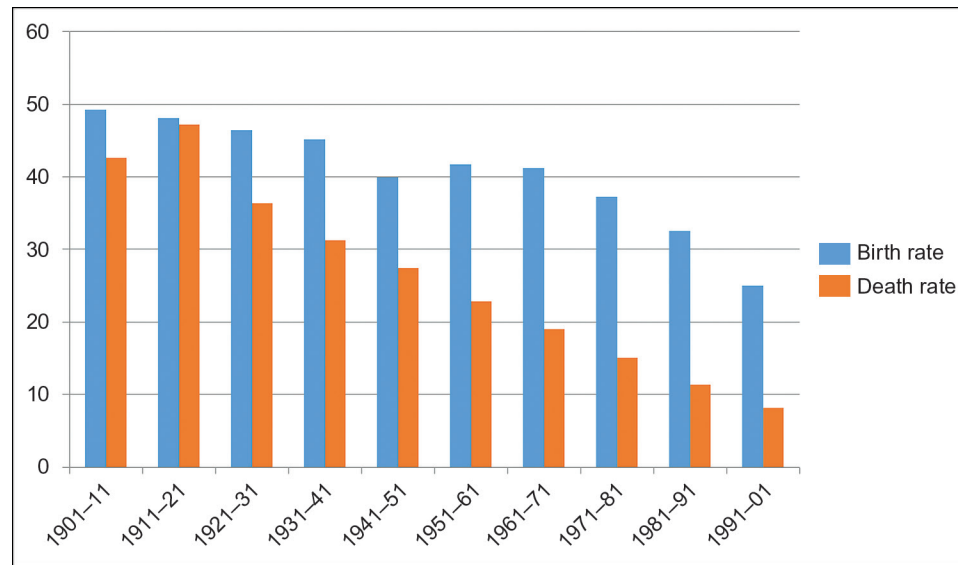


3. **Draw the appropriate chart for showing the correlation between systolic BP and salt intake from following data:**

| Salt intake | 3.5 | 5.2 | 6.9 | 7.2 | 8.8 |
|---|---|---|---|---|---|
| Systolic BP | 120 | 130 | 140 | 150 | 160 |

**Ans.** Scatter diagram