1. There are many different types of data that can be collected and analyzed. For the purpose of this question these have been coded as follows:

 Categorical Nominal                                                              A

 Categorical Ordinal                                                                B

 Numerical Discrete                                                                C

  Numerical Continuous                                                           D

What types of variables are the following?

Diastolic blood pressure **D**

Parity      **C**

Sex         **A**

Cholesterol                      **D**

Social Class                    **B**

      Number of visits to GP in a given time frame **C**

 Ethnicity                                                           **A**                                                               Disease Staging                                                         **B**

2. What type of chart might be appropriate to display the range of cholesterol levels of patients on the CHD register? **Histogram**

3. Calculate the mean, median and mode of Total Cholesterol values in the following dataset

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Cholesterol mmol/l | 5.6 | 5.8 | 6.3 | 6.1 | 6.3 | 6.6 | 5.6 | 7.2 | 5.9 |

Mean **6.2**

Median **6.1**

Mode **5.6, 6.3**

4. What type/s of chart might be appropriate to display levels of weekly alcohol consumption (None, 1-7 units, 8-14 units, more than 14 units)

**Pie or bar chart**

5.  What is the range of birth weights in the following histogram? **2000-4800 or 2800 as a single figure**

