

Questions 31–40

Write ONE WORD ONLY for each answer.

### **[Section 4] Ethics In Engineering**

**Ethics - principles relating to right and wrong conduct**

At first, engineers saw ethics as a 31..... issue.

Attitudes changed because of three disasters involving the collapse of 32.....

- 1876 - USA (metal fatigue)
- 1879 - Scotland (the impact of 33.....on the structure was miscalculated).
- 1907 - Canada (the structure could not support its own 34.....).

**Boston Molasses Disaster**

At the time, molasses was the main 35.....used in the USA.

- Boston company: collapse of a 36.....released 8 million liters of molasses.
- The wave of molasses destroyed buildings and the railway.
- Local residents insisted on a 37.....of the molasses company.

The company had to pay compensation.

**Probable causes of the accident:**

- Insufficient 38.....checks.
- Fermentation raised the 39.....to a dangerous level.

It is now obligatory for engineers to have a 40.....