

Self check

1 Which of the following is an example of a special product:

- a** Automobile
- b** Oil tanker
- c** Ocean-going yacht

2 The essential difference between a batch and a line process is:

- a** A line process is always straight
- b** When changing from one product to another, a batch process has to be stopped and reset whereas a line process does not
- c** A batch process can be stopped but a line process cannot be stopped

3 The differentiating feature of a continuous process is:

- a** The processes are laid out sequentially
- b** It is another name for a line process
- c** It is very expensive (often prohibitively so) to stop and restart

4 In operations management, the definition of volume is:

- a** Order quantity for a product · unit time
- b** Sales revenue value (£) of an order
- c** Annual quantity sold of a product

5 Which of the following is a definition of flexibility:

- a** Handling a range of products
- b** Meeting demand peaks
- c** Both a and b

6 Which of the following is a definition of the saleable productive time of production capacity:

- a** Time spent not producing products
- b** Time spent producing products that will be sold to customers
- c** Both a and b

7 Which of the following is true:

- a** Process investments tend to be inexpensive to change
- b** Companies choose a process with the intention of not changing it in the near future
- c** Both a and b

8 The essential difference between cells and batch manufacturing is that:

- a** In cells, processes are allocated to the sole use of a group of products
- b** In cells, similar processes are grouped together
- c** In cells, equipment utilization tends to be higher than in batch

9 Which of the following is **not** true for a linked batch manufacturing process:

- a** Changeovers involve resetting all parts of the process
- b** The process no longer looks like a line process
- c** Processes are coupled together

10 Potential cause(s) of non-alignment between a company's markets and its operations capabilities are:

- a** The company is trying to meet the differing needs of several markets with a single process

b The needs of the market have changed over time