

Write your name here	
Surname	Other names
Edexcel Principal Learning	Centre Number
	Candidate Number
Manufacturing and Product Design	
Level 1	
Unit 1: Introduction to Manufacturing	
Sample Assessment Material Time: 45 minutes	Paper Reference MP101/01
Calculator, pencil.	Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*

Information

- The total mark for this paper is 30.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

N37445A

©2009 Edexcel Limited.
2/2



Turn over ►

edexcel
advancing learning, changing lives

Answer ALL questions.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 Which manufacturing business process deals with finance?

A	Stores	<input type="checkbox"/>
B	Accounts	<input type="checkbox"/>
C	Maintenance	<input type="checkbox"/>
D	Marketing	<input type="checkbox"/>

(Total for Question 1 = 1 mark)

2 A machine used in a manufacturing company breaks down.
Which business process would be responsible for fixing it?

A	Sales	<input type="checkbox"/>
B	Marketing	<input type="checkbox"/>
C	Training	<input type="checkbox"/>
D	Maintenance	<input type="checkbox"/>

(Total for Question 2 = 1 mark)

3 Which business process makes sure components arrive at the right time and in the correct amounts?

A	Producing	<input type="checkbox"/>
B	Ordering	<input type="checkbox"/>
C	Selling	<input type="checkbox"/>
D	Distributing	<input type="checkbox"/>

(Total for Question 3 = 1 mark)



4 Companies who create wealth are **most** likely to spend money on:

A	redundancies	<input type="checkbox"/>
B	factory closures	<input type="checkbox"/>
C	opportunities for growth	<input type="checkbox"/>
D	downsizing	<input type="checkbox"/>

(Total for Question 4 = 1 mark)

5 Which of the following is important to the local community around a manufacturing business?

A	Production planning	<input type="checkbox"/>
B	Regular employment	<input type="checkbox"/>
C	Buying products	<input type="checkbox"/>
D	Unemployment benefits	<input type="checkbox"/>

(Total for Question 5 = 1 mark)

6 Wealth creation by a company can increase their employees' chances of:

A	sickness and redundancy	<input type="checkbox"/>
B	career opportunities and long-term employment	<input type="checkbox"/>
C	relocation and wage reduction	<input type="checkbox"/>
D	accidents and long-term absence	<input type="checkbox"/>

(Total for Question 6 = 1 mark)



7 Controlling emissions from factories is:

A	cheap to do	<input type="checkbox"/>
B	environmentally friendly	<input type="checkbox"/>
C	very profitable	<input type="checkbox"/>
D	maintenance free	<input type="checkbox"/>

(Total for Question 7 = 1 mark)

8 Which is a manufacturing social issue?

A	Competitors	<input type="checkbox"/>
B	Demographics	<input type="checkbox"/>
C	Waste	<input type="checkbox"/>
D	Distribution and logistics	<input type="checkbox"/>

(Total for Question 8 = 1 mark)

9 Which is a manufacturing economic issue?

A	Competitors' pricing	<input type="checkbox"/>
B	Number of enterprises	<input type="checkbox"/>
C	Type of sector	<input type="checkbox"/>
D	Leaflet packaging	<input type="checkbox"/>

(Total for Question 9 = 1 mark)



10 A car manufacturer has an increase in output. The manufacturer needs to make the road network around its factory larger. Which group of people would be **most** affected by this?

A	Firefighters	<input type="checkbox"/>
B	Neighbours	<input type="checkbox"/>
C	Ambulance drivers	<input type="checkbox"/>
D	Competitors	<input type="checkbox"/>

(Total for Question 10 = 1 mark)

11 Which manufacturing sub-sector would produce packaging for a perfume manufacturer?

A	Print	<input type="checkbox"/>
B	Fabrication	<input type="checkbox"/>
C	Polymers	<input type="checkbox"/>
D	Product building	<input type="checkbox"/>

(Total for Question 11 = 1 mark)

12 Which manufacturing sub-sector would produce sportswear?

A	Sign making	<input type="checkbox"/>
B	Clothing	<input type="checkbox"/>
C	Electronics	<input type="checkbox"/>
D	Chemicals	<input type="checkbox"/>

(Total for Question 12 = 1 mark)



13 Which product belongs to the pharmaceutical sub-sector?

A	Engine oil	<input type="checkbox"/>
B	Soft drink	<input type="checkbox"/>
C	Cough medicines	<input type="checkbox"/>
D	Plastic signs	<input type="checkbox"/>

(Total for Question 13 = 1 mark)

14 Garden fertilisers are made by which manufacturing sub-sector:

A	mineral processing	<input type="checkbox"/>
B	refining	<input type="checkbox"/>
C	vegetable canning	<input type="checkbox"/>
D	chemical	<input type="checkbox"/>

(Total for Question 14 = 1 mark)

15 Which manufacturing sub-sector produces indigestion tablets?

A	Textile	<input type="checkbox"/>
B	Pharmaceutical	<input type="checkbox"/>
C	Electronic	<input type="checkbox"/>
D	Coating	<input type="checkbox"/>

(Total for Question 15 = 1 mark)



16 A furniture manufacturer uses products supplied by which other sub-sectors to make office chairs?

A	Textiles and clothing	<input type="checkbox"/>
B	Alloys and refining	<input type="checkbox"/>
C	Food and chemicals	<input type="checkbox"/>
D	Printing and plastics	<input type="checkbox"/>

(Total for Question 16 = 1 mark)

17 Which has had the biggest effect on prices of products from UK manufacturing enterprises?

A	Telesales	<input type="checkbox"/>
B	Supply and demand	<input type="checkbox"/>
C	Pension schemes	<input type="checkbox"/>
D	Computers	<input type="checkbox"/>

(Total for Question 17 = 1 mark)

18 Labour costs are a significant factor in world wide competition. Which of the following has the lowest labour costs?

A	United States	<input type="checkbox"/>
B	Europe	<input type="checkbox"/>
C	Australia	<input type="checkbox"/>
D	Asia	<input type="checkbox"/>

(Total for Question 18 = 1 mark)



19 Increased foreign competition has left some UK manufacturers unable to make products at competitive prices.
When this happens they are likely to:

A	be more solvent	<input type="checkbox"/>
B	be more efficient	<input type="checkbox"/>
C	find competitors	<input type="checkbox"/>
D	lose business	<input type="checkbox"/>

(Total for Question 19 = 1 mark)

20 A manufacturer makes fish fingers.
The supply of fish to make fish fingers is reduced.
The cost of fish goes up.
To retain profit levels the manufacturer would normally increase:

A	production	<input type="checkbox"/>
B	sales	<input type="checkbox"/>
C	maintenance	<input type="checkbox"/>
D	prices	<input type="checkbox"/>

(Total for Question 20 = 1 mark)

21 Which of the following cost increases are **most** likely to cause price rises to customers:

A	labour and materials	<input type="checkbox"/>
B	invoicing and telephone	<input type="checkbox"/>
C	computer discs and faxing	<input type="checkbox"/>
D	office supplies within the business	<input type="checkbox"/>

(Total for Question 21 = 1 mark)



22 Fruit prices increase by 40%.

A manufacturer of fresh fruit salads increases the selling price of their products. What would be a likely consequence of increasing prices to their customers?

A	Storage decrease	<input type="checkbox"/>
B	Sales decrease	<input type="checkbox"/>
C	Quality increase	<input type="checkbox"/>
D	Lead time increase	<input type="checkbox"/>

(Total for Question 22 = 1 mark)

23 A computer manufacturer needs to decide how to deliver products to customers throughout the UK.

Which cost **must** be considered before making this decision?

A	Training	<input type="checkbox"/>
B	Raw materials	<input type="checkbox"/>
C	Furniture	<input type="checkbox"/>
D	Distribution	<input type="checkbox"/>

(Total for Question 23 = 1 mark)

24 A manufacturer of exclusive gifts must consider the cost of the:

A	packaging	<input type="checkbox"/>
B	water	<input type="checkbox"/>
C	tooling	<input type="checkbox"/>
D	invoicing	<input type="checkbox"/>

(Total for Question 24 = 1 mark)



25 A company manufactures shower gel.
What are the three largest direct costs to be considered?

A	Stationery, training and telephone	<input type="checkbox"/>
B	Faxing, cleaning and invoicing	<input type="checkbox"/>
C	Email, storage and administration	<input type="checkbox"/>
D	Materials, labour and packaging	<input type="checkbox"/>

(Total for Question 25 = 1 mark)

26 The direct costs of making a pencil case are:

Materials	12p
Wages	11p
Other production costs	7p

What is the total direct cost of making the pencil case?

A	8p	<input type="checkbox"/>
B	19p	<input type="checkbox"/>
C	30p	<input type="checkbox"/>
D	35p	<input type="checkbox"/>

(Total for Question 26 = 1 mark)

27 The fixed cost for making 100 jigsaws is £15
What is the fixed cost of making one jigsaw?

A	£0.15	<input type="checkbox"/>
B	£1.50	<input type="checkbox"/>
C	£100	<input type="checkbox"/>
D	£115	<input type="checkbox"/>

(Total for Question 27 = 1 mark)



28 The costs of making a pair of gloves are:

Packaging items	10p
Material costs	25p
Other production costs	15p

What is the cost of making 10 boxes each containing 20 pairs of gloves?

A	£5.00	<input type="checkbox"/>
B	£50.00	<input type="checkbox"/>
C	£100.00	<input type="checkbox"/>
D	£200.00	<input type="checkbox"/>

(Total for Question 28 = 1 mark)

29 The profit margin on a table lamp is 10%

The selling price of each lamp is £20.00

If 50 table lamps are sold what would the total profit be?

A	£100	<input type="checkbox"/>
B	£110	<input type="checkbox"/>
C	£500	<input type="checkbox"/>
D	£1000	<input type="checkbox"/>

(Total for Question 29 = 1 mark)



30 The total variable cost of manufacturing 1000 tennis balls is £250
The cost of setting up to make a batch of tennis balls is £350
What is the total cost of making a batch of 10,000 tennis balls?

A	£2,500	<input type="checkbox"/>
B	£2,850	<input type="checkbox"/>
C	£10,250	<input type="checkbox"/>
D	£250,000	<input type="checkbox"/>

(Total for Question 30 = 1 mark)

TOTAL FOR PAPER = 30 MARKS

