



2760-201 MAY 2015

Level 2 Principal Learning in Engineering

The engineered world

If provided, stick your candidate
barcode label here.

Thursday 14 May 2015
09:00 – 10:30

Candidate name (first, last)

First

Last

Candidate enrolment number

Date of birth (DDMMYYYY)

Gender (M/F)

Assessment date (DDMMYYYY)

Centre number

Candidate signature and declaration*

- If any additional answer sheets are used, enter the additional number of pages in this box. ➡
- Please ensure that you **staple** additional answer sheets to the **back** of this answer booklet, clearly labelling them with your full name, enrolment number, centre number and qualification number in BLOCK CAPITALS.
- All candidates need to use a **black/blue pen**. **Do not** use a pencil or gel pen.
- If provided with source documents, these documents **will not** be returned to City & Guilds, and will be shredded. **Do not** write on the source documents.

***I declare that I had no prior knowledge of the questions in this assessment and that I will not divulge to any person any information about the questions.**

You should have the following for this assessment:

- A pen with blue or black ink.

General instructions

- The marks for questions are shown in brackets.
- The **maximum** mark for this paper is 48.
- You may take an unannotated copy of the 2760-201 May 2015 preparation sheet into the examination.
- This examination contains **fifteen** questions. Answer **all** questions.
- Answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Cross through any work you do not want to be marked.

Section A

The following questions are about how you worked as part of a team.

- 1 a) State your role in the team.

(1 mark)

- b) State what this role involved.

(2 marks)

- 2 Successful team members provide support and feedback to others in the group. Describe **three** ways of providing support and feedback to others.

1

2

3

(6 marks)

Past question paper

- 3 The following questions refer to the materials used to make speed boats. Originally speed boat hulls were made of wood.

a) Name **two** materials, other than wood, used to make the hull of modern speed boats.

1 _____

2 _____

(2 marks)

b) For **one** of the materials named in a) explain why this is an improvement compared to wood.

(2 marks)

- 4 The following question looks at the construction of the speed boat hull.

a) Describe **one** method used to make modern speed boat hulls.

(2 marks)

b) How has the method stated in a) improved the construction of speed boat hulls?

(2 marks)

- 5 Explain how the developments in materials and construction have improved the performance of speed boats.

(4 marks)

- 6 State **three** ways in which other boat users may benefit from technology developments in modern speed boats.

1

2

3

(3 marks)

Past question paper

Section B

This section refers to sectors that make up the engineering industry, career and training opportunities and employment legislation.

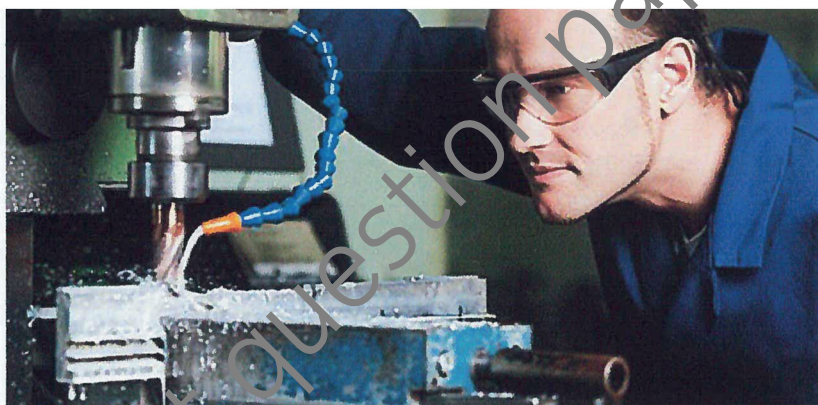
7 Name the engineering sector that **each** of the following photographs represents.



www.azom.com

a) _____

(1 mark)



www.blogger.com

b) _____

(1 mark)



www.telegraph.co.uk

c) _____

(1 mark)

- 8 a) Describe one **product** from the Medical and Sports Engineering sector.

(2 marks)

- b) Describe one **product** from the Waste Management and Water Resources sector.

(2 marks)

- 9 a) Describe one **service** from the Medical and Sports Engineering sector.

(2 marks)

- b) Describe one **service** from the Waste Management and Water Resources sector.

(2 marks)

Past question paper

- 10 There are three **main** groups of engineering jobs: professional, technical and operative.

State to which group **each** of the following jobs belongs.

(3 marks)

Job title or function	Job Group
Driller	
Production Manager	
Electrician	

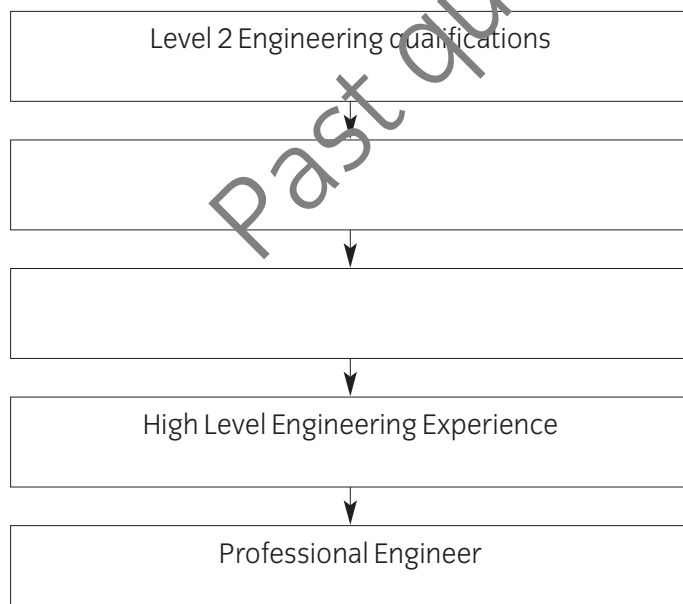
- 11 a) State **one** example of a job title in the Transport Infrastructure and Vehicle Systems sector.

(1 mark)

- b) Identify **one** of the training requirements for the job title named in a).

(1 mark)

- 12 Complete the flowchart below, which shows a typical career path to becoming a Professional Engineer.



(2 marks)

- 13 a) Give **one** example of an Engineering professional body.

(1 mark)

- b) Give **one** example of how the professional body named in a) supports its members.

(1 mark)

- 14 State **two** legal requirements for employers to protect their workers in a dusty environment.

1

2

(2 marks)

- 15 Employees have rights and responsibilities when they are at work.
For an employee working in noisy conditions,

- a) state **one** right

(1 mark)

- b) state **one** responsibility.

(1 mark)

Past question paper

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