AQA Unit 1 Level 2 Engineering Diploma Exam Friday 16 January 2009

Below are the questions from the exam.

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or a navigation aid.

SECTIO	ON A	
Answer	all questions in this section.	
Question	ns 1 to 5 are about what you did in the team.	
1	Describe how your team shared out the work and what your responsibilities were in the group investigation.	
	Distribution of work Responsibilities	(2 marks)
2	What research methods did your team use during your investigation?	2 marks,
		(1 mark)
3	Explain how you recorded your findings and reported these back to the rest of the team.	
		(2 marks)
4	Explain how you managed the available time to complete the investigation.	
		(2 marks)
5	Give two reasons why engineers work in teams on projects or for investigations.	
	Reason 1 Reason 2	
		(2 marks)
Question	ns 6 to 9 refer to the use of Global Positioning Systems (GPS).	
6	Explain why accurate and reliable Positioning Systems are so important to large scale civil engineering projects. must give two reasons.	You
	Reason Reason	
		(4 marks)
7	Describe the major developments in Global Positioning Systems (GPS) over the last twenty years and how they introduced into Engineering.	were
		(4 marks)
8	Compare GPS to conventional positioning systems giving advantages and disadvantages of each.	
		(4 marks)

Give three examples of how people's lives have changed as a result of the wider use of GPS as a Civil Engineering tool

(3 marks)

Section B

Ancwer	a11	auestions	in	thic	section
Allswei	an	questions	ш	ums	section

Questions 10 to 18 are about engineering sectors.

Questi	ons 10 to 16 are about engineering sectors.	
10	Manufacturing and Maintenance and Built Environment Engineering are two engineering sectors within the enindustry. Name three of the other engineering sectors that make up the engineering industry.	ngineering
	1 2 2	
	3	(3 marks)
11(a)	Describe two of the products from the Manufacturing and Maintenance sector.	
	1 2	
		(2 marks)
11(b)	Describe two different products from other sectors of the engineering industry.	
	1 2	
		(2 marks)
12(a)	Describe two of the services from the Manufacturing and Maintenance sector.	
	1 2	
10/1		(2 marks)
12(b)	Describe two different services from other sectors of the engineering industry. 1	
	2	
		(2 marks)
13	Describe a professional role that is carried out by an engineer in the Manufacturing and Maintenance sector.	
1.4		(3 marks)
14	Explain the career and training opportunities that you would need to follow in order to become a technician in engineering sectors.	uie
		(2 marks)

Manufacturing and Maintenance sector. Level 2 Diploma Employment as a fully qualified Engineer (2 marks) 16 Explain two areas in which the professional bodies have set and maintained standards in the engineering sectors. (2 marks) 17 Give two reasons why employment legislation is necessary in the engineering industry. (2 marks) Give two responsibilities of an employer with regard to Health and Safety. 18 1 2

Complete the flow chart which shows the career path to becoming a professional engineer in the Engineering

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END OF QUESTIONS

(2 marks)