

Cambridge National in Engineering

OCR Principles in Engineering and Engineering Business Unit R102
Unit Recording Sheet

Please read the instructions printed at the end of this form. One of these sheets, suitably completed, should be attached to the assessed work of each candidate.

Unit Title The engineering business world	Unit Code	R102	Series Jan / June	Year	2	0	
Centre Name		Centre Number					
Candidate Name			Candidate Number	er			

	Marking Criteria – T	otal Marks for this unit is 60		
Mark Band 1	Mark Band 2	Mark Band 3	Teacher Comment	Page
LO1: Know about engineering sectors, their products and services				1
Demonstrates a basic knowledge of the identified engineering sectors. Gives few examples of their products and services.	Demonstrates a detailed knowledge of the identified engineering sectors. Gives a range of examples of their products and services.	Demonstrates a comprehensive knowledge of the identified engineering sectors. Gives a wide range of examples of their products and services.	Mark	
1 – 3 marks	4 – 6 marks	7 – 9 marks		
LO2: Understand how engineering companies operate		Mark]	
Explains the characteristics of engineering companies with limited accuracy.	Provides a reasonably accurate explanation of the characteristics of engineering companies.	Accurately explains the characteristics of engineering companies		
Gives a limited explanation of some basic relationships between engineering companies within the engineering market place.	Explains in some detail a range of relationships between engineering companies within the engineering market place.	Explains in detail a wide range of relationships between engineering companies within the engineering market place.		
1 – 6 marks	7 –12 marks	13 – 18 marks		

LO3: Know about employment in engineering		Teacher Comment		Page	
Identifies some sources of engineering careers information with limited accuracy.	Identifies sources of engineering careers information with some accuracy.	Accurately identifies sources of engineering careers information.		Mark	
Demonstrates basic knowledge of careers opportunities in engineering business functions and entry routes for employment in engineering. Provides basic information on some of the rights and responsibilities of employees and employers.	Demonstrates adequate knowledge of careers opportunities in engineering business functions and entry routes for employment in engineering. Provides detailed information on some of the rights and responsibilities of employees and employers.	Demonstrates comprehensive knowledge of careers opportunities in engineering business functions and entry routes for employment in engineering. Provides detailed information on many of the rights and responsibilities of employees and employers.			
Provides a basic description of the role of the Engineering Council and its member institutions. 1 – 5 marks	Provides a detailed description of the role of the Engineering Council and its member institutions. 6 – 10 marks	Provides a comprehensive description of the role of the Engineering Council and its member institutions. 11 –15 marks			
LO4: Unders	stand innovation and technical advance	s in engineering		1	
Gives a basic description of recent applications of an innovation and technical advance in engineering.	Describes in some detail recent applications of an innovation and technical advance in engineering.	Describes in detail recent applications of an innovation and technical advance in engineering.		Mark	
Demonstrates a basic understanding of the impact of innovation and technical advances. 1 – 6 marks	Demonstrates a sound understanding of the impact of innovation and technical advances. 7 – 12 marks	Demonstrates a thorough understanding of the impact of innovation and technical advances. 13 – 18 marks			
	•		Total/60		
If this work is a re-sit, please tick Ses	sion and Year of previous submission Jan / June	Please tick to indicate this work	has been standardised internally		

Guidance on Completion of this Form

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).

Guidance on Completion of this Form

- 1 **One** sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- Please enter specific page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 60 Enter this total in the relevant box.