

UNIT 2: APPLICATION OF NEW TECHNOLOGY IN ENGINEERING

Student:

Candidate No:

Centre No: 12111

BANNER CRITERIA	
a description of the purpose of the product or service	
an explanation of the new technology used	
an explanation of how the systems are arranged and operated, and of underpinning scientific principles	
an explanation of how the needs of users and of manufacturers/suppliers have shaped the use of new technology in the product	
system diagrams/appropriate graphical communication/product literature	

GRADE :	MARK :
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E1	thorough practical investigations of the product or service and an organised record of your research findings	
E2	full explanation of how new technology features in the product or service	
E3	identification and accurate explanation of the key scientific principles governing the operation of the product or service	
E4	good use of product literature and your research findings in your explanation of how the needs of the end user and the manufacturer or provider of the service have shaped the use of new technology in the product/service	
E5	effective use of system diagrams and other graphical methods to help in your explanations.	
C1	product or service information gathered from a range of sources, and used effectively	
C2	detail of how the new technology used in the product or service is an improvement on earlier products or services	
C3	how new technology has enhanced the performance of the product or service, in terms of the relevant underpinning scientific principles.	
A1	possible opportunities and difficulties that the developers of the product or service might have faced in implementing the new technology	
A2	feasible modifications to the product or service that could improve it for the user, or represent a feasible next stage in the development of the product or service.	