

Copyright Acknowledgement Booklet

For the January 2019 Cambridge Technical exam series

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The booklet is published after each examination series, as soon as the assessment materials become available to the public.

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http://www.ocr.org.uk/i-want-to/prepare-and-practise/past-papers-finder/

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Each acknowledgement is filed firstly by subject and then under the unit number of the exam paper in which the copyright material appears.

Where an exam paper has more than one document associated with it, each document is identified with its separate acknowledgements.

From the January 2013 series onwards, only the examination material containing third party material will be included in the Acknowledgement Booklet. Therefore please assume that any exam papers or subject areas not listed in this booklet are entirely © OCR.

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	Level 3 Applied Science						
05847, 05848, 05849, 05874, 05879	Unit 1: Science fundamentals	Question Paper	Fig. 2.1 (Graph)	Adapted from Palladium Catalyst for the Production of Pure Margarine. Platinum Metals Rev. 43: 74-82. www.researchgate.net, Johnson Matthey Technology Review. Reproduced under the terms of the Creative Commons Attribution Non-Commercial No Derivatives 4.0 International License.			
			Fig. 3.1 (Image)	A Modern Descendant of Early Green Algal Phagotrophs, Current Biology. 23: 1081–1084, June 2013, www.cell.com. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.			
			Table 5.1	Adapted from Scientific opinion on the safety and efficacy of manganese compounds (E5) as feed additives for all species: manganous oxide and manganous sulphate monohydrate, EFSA Journal 2013, www.efsa.europa.eu, European Food Safey Authority (EFSA). Reproduced under Open Access terms.			

	Level	3 Applied S	cience (con	t)
05847, 05848, 05849, 05874, 05879	Unit 1: Science fundamentals (cont)	Question Paper	Table 5.3	Adapted from Elevated manganese levels in blood and central nervous system occur before onset of clinical signs in scrapie and bovine spongiform encephalopathy, Journal of Animal Science 85: 1596-609, 2007, www.asas.org, American Society of Animal Science. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
			Fig. 6.1 (Image) Table 6.1	Diagram of the molecular structure of poly(ethene). OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.
05847, 05848, 05849, 05874, 05879	Unit 2: Laboratory techniques	Question Paper	Q2(a)(ii), Fig. 2.1 (Image)	Recovery and reproduction of an Antarctic tardigrade retrieved from a moss sample frozen for over 30 years. Cryobiology: 72 78-81, www.sciencedirect.com. Reproduced under the terms of Creative Common Attribution 4.0 International (CC BY 4.0).
			Q2(b), Fig. 2.2 (Image)	Extremotolerant tardigrade genome and improved radiotolerance of human cultured cells by tardigrade-unique protein, 7, 12808, September 2016, www.nature.com, Nature Communications. Reproduced under the terms of Open access.

	Level 3 Applied Science (cont)					
05847, 05848, 05849, 05874, 05879	Unit 2: Laboratory techniques (cont)		Q4, Fig 4.1 (Diagram)	Chromatography in Bioactivity Analysis of Compounds, Column Chromatography 2014, www.cdn.intechopen.com, InTech. Reproduced under Open Access terms.		
			Q4(b), Fig. 4.2 (Image)	HPLC Column Comparison Screening Study for Reversed Phase Columns, p15, April 2017, www.sigmaaldrich.com, Supelco. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.		
			Q4(c), Table 4.3	HPLC Column Comparison Screening Study for Reversed Phase Columns, p16, April 2017, www.sigmaaldrich.com, Supelco. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.		
05847, 05848, 05849, 05874, 05879	Unit 3: Scientific analysis and reporting	Question Paper	Q2, Fig. 2.1 (Image)	Source: www.huish.ac.uk, Richard Huish College, January 2017.		

	Level 3 Applied Science (cont)						
05847, 05848, 05849, 05874, 05879	Unit 3: Scientific analysis and reporting (cont)	Q6(b), Fig. 6.1 (Image)	Adapted from Yeast basics: Check yeast viability, November 18, 2012, www.eurekabrewing.wordpress.com, Eureka Brewery. Reproduced by permission of Eureka Brewery.				
		Q7(a), Table 7.1	Adapted data from Isolation of microplastics in biota-rich seawater samples and marine organisms, Scientific Reports 4, Article number: 4528 (2014) www.nature.com, Nature Publishing Group. Reproduced under the terms of the Creative Commons Attribution 3.0 Unported License.				
		Q7(b), Table 7.2, 7.3	Adapted data from Swedish sources and pathways for microplastics to the marine environment, Number C 183, revised March 2017, www.ivl.se, IVL Swedish Environmental Research Institute Ltd. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.				

Level 2 Business						
05891, 05892	Unit 1A: Principles of working in business administration	СВТ	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.			
05891, 05892	Unit 2: Understand the role of the administrator	CBT	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.			

		Level 3 Bu	ısiness	
05834, 05835, 05836, 05837, 05878	Unit 1: The business environment	Question Paper/ Pre- release		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05834, 05835, 05836, 05837, 05878	Unit 2: Working in business	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05834, 05835, 05836, 05837, 05878	Unit 3: Business decisions	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
		Pre-release	Appendix 2 (Graph)	Visit England, Visitor Attraction Trends in England 2016 Full Report, Visit England, p16, July 2017, www.visitbritain.org, British Tourist Authority. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
05834, 05835, 05836, 05837, 05878	Unit 9: Human resources	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05834, 05835, 05836, 05837, 05878	Unit 10: Economics for business	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.

Level 3 Business (cont)						
05834, 05835, 05836, 05837, 05878	Unit 15: Change management	Question Paper/ Resource Booklet		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.		

	Level 2 Digital Media							
05897/05899	Unit 1A: Digital media and emerging technologies	QP	Q26 (Image)	Reproduced under the terms of Creative Commons Attribution-ShareAlike 2.0 Generic (CC BY_SA 2.0)				
	Unit 2: Principles of concept design and pre-production	Pre-release		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.				

Level 3 Digital Media				
05843, 05844, 05845, 05846, 05875	Unit 1: Media products and audiences	Insert	Fig. 1, Fig. 2 (Images)	www.barb.co.uk, BARB, Broadcasters Audience Research Board, Spring 2018. Reproduced by permission of BARB.
			Fig. 3, Fig. 4 (Images)	www.midiaresearch.com, MIDiA Research, June 2017. Reproduced by permission of MIDiA Research.
05843, 05844, 05845, 05846, 05875	Unit 2: Pre-production and planning	Question Paper/Insert		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05843, 05844, 05845, 05846, 05875	Unit 6: Social media and globalisation	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05843, 05844, 05845, 05846, 05875	Unit 25: Research for product development	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.

05822, 05823, 05824, 05825, 05873	Unit 1: Mathematics for engineering	Question Paper	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05822, 05823, 05824, 05825, 05873	Unit 3: Principles of mechanical engineering	Question Paper	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05822, 05823, 05824, 05825, 05873	Unit 4: Principles of electrical and electronic engineering	Question Paper	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05822, 05823, 05824, 05825, 05873	Unit 23: Applied mathematics for engineering	Question Paper	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05822, 05823, 05824, 05825, 05873	Unit 24: Project management for engineers	Question Paper	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.

Level 2 Health & Social Care					
05880, 05881	Unit 1A: Principles of working in health, social care and childcare	СВТ	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.		
05880, 05881	Unit 2: Health and safety in practice	СВТ	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.		

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05830, 05831, 05832, 05833, 05871	Unit 2: Equality, diversity and rights in health and social care	Question Paper	Q2	Adapted from Brandon Trust Supported Living – CQC Inspection report, www.cqc.org.uk, Care Quality Commission, 10 August 2017. Reproduced under the terms of the Open Government Licence v3.0.
			Q5	Adapted from Mother's Asperger's poem strikes a chord on social media, 27 February 2018 © BBC News, www.bbc.co.uk.
05830, 05831, 05832, 05833, 05871	Unit 3: Health, safety and security in health and social care	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05830, 05831, 05832, 05833, 05871	Unit 4: Anatomy and physiology for health and social care	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05830, 05831, 05832, 05833, 05871	Unit 6: Personalisation and a person-centred approach to care	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05830, 05831, 05832, 05833, 05871	Unit 7: Safeguarding	Question Paper	Q4 (Text)	Adapted from Safeguarding Adults, Case Study 2, www.sthelens.gov.uk, sthelens.gov.uk. Reproduced under the terms of the Open Government Licence v3.0.

Level 3 Health & Social Care (cont)					
05830, 05831, 05832, 05833, 05871	Unit 25: Research methods in health, social care and childcare	Pre-release	Source A	The Journal of Urology - Effect of music on outpatient urological procedures: A systematic review and meta-analysis from European section of Uro-technology (ESUT), December 2017. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.	
			Source B	A novel peer-support intervention using motivational interviewing for breastfeeding maintenance: A UK feasibility study, Health Technology Assessment. Volume: 21, Issue: 77, December 2017, www.journalslibrary.nihr.ac.uk, NIHR Journals Library. Reproduced under the terms of Commercial Government Licence v2.0.	
			Source C	Challenges to discussing palliative care with people experiencing homelessness: a qualitative study Volume 7, Issue 11, www.bmjopen.bmj.com, BMJ Open, BMJ Journals. Reproduced under the terms of Non-Commercial 4.0 International Licence (CC BY-NC 4.0).	

Level 2 IT					
05883, 05884	Unit 1A: Essentials of IT	СВТ	Q10 (Image)	© Natalia Siverina, Shutterstock Photo Library, www.shutterstock.com	
			Q35 (Image)	© Maica, iStock, www.istockphoto.com	
05883, 05884	Unit 2: Essentials of Cyber Security	CBT		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	

Level 3 IT				
05838, 05839, 05840, 05841, 05842, 05877	Unit 1: Fundamentals of IT	Question Paper	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	
05838, 05839, 05840, 05841, 05842, 05877	Unit 2: Global information	Question Paper/Pre- release	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	
05838, 05839, 05840, 05841, 05842, 05877	Unit 3: Cyber security	Question Paper/Pre- release	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	
05838, 05839, 05840, 05841, 05842, 05877	Unit CC: Cloud Technology	Question Paper	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	

Level 3 Performing Arts					
05850, 05851, 05852, 05853, 05876	Unit 1: Prepare to work in the performing arts sector	Pre-release		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	
05850, 05851, 05852, 05853, 05876	Unit 2C: Proposal for a commissioning brief	Pre-release		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	
05850, 05851, 05852, 05853, 05876	Unit 32: Arts administration	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	
05850, 05851, 05852, 05853, 05876	Unit 33: Original performance	Pre-release	Image	© studiostoks, Shutterstock Photo Library, www.shutterstock.com	

Level 2 Sport					
05885, 05886	Unit 1A: Physical activity, health and wellbeing	Question Paper	Fig. 2 (Image)	© BlueRingMedia, Shutterstock Photo Library, www.shutterstock.com	
05885, 05886	Unit 2: Physical preparation and readiness for sport and physical activity	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	

Level 3 Sport					
05826, 05827, 05828, 05829, 05872	Unit 1: Body systems and the effects of physical activity	Question Paper	Q12, Fig. 12.1 (Image)	© adike, Shutterstock Photo Library, www.shutterstock.com	
			Q14, Fig. 14.1 (Image)	© muzsy, Shutterstock Photo Library, www.shutterstock.com	
			Q21*, Fig. 21.1 (Image)	© stihii, Shutterstock Photo Library, www.shutterstock.com	
05826, 05827, 05828, 05829, 05872	Unit 3: Sports organisation and development	Question Paper	Q1(b) (Text)	Change4Life Sports Clubs, www.youthsporttrust.org, Youth Sport Trust. Reproduced by permission of Youth Sport Trust.	
05826, 05827, 05828, 05829, 05872	Unit 4: Working safely in sport, exercise, health and leisure	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	
05826, 05827, 05828, 05829, 05872	Unit 21: The business of sport	Question Paper		Adapted from Tokyo 2020: Four Olympic sports and one Paralympic sport lose funding, www.bbc.co.uk, BBC Sport website, November 2018. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.	

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