

Copyright Acknowledgement Booklet

For the June 2022 Cambridge Technical exam series

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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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	Lev	el 3 Applie	d Science	
05847, 05848, 05849, 05874, 05879	Unit 1: Science fundamentals	Question Paper		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
05847, 05848, 05849, 05874, 05879	Unit 2: Laboratory techniques	Question Paper	Q2(b), Fig. 2.1	D M Mazura, O V Polyakovaa, V B Artaevb, A T Lebedeva, 'Novel pollutants in the Moscow atmosphere in winter period: Gas chromatography- high resolution time-of-flight mass spectrometry study' pp 242-250, 25 November 2019, Environmental Pollution Volume 222, www.sciencedirect.com, Elsevier Science Direct. Reproduced under Creative Commons Attribution 4.0 International (CC BY 4.0).
			Q4, Fig. 4.1	OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.
			Q4, Fig. 4.2	© mccluremr, iStock Photo Library, www.istockphoto.com
05847, 05848, 05849, 05874, 05879	Unit 3: Scientific analysis and reporting	Question Paper	Q4(b), Fig. 4.2	Grey Reindeer Lichen, 8 October 2016 © Allen Norcross, Photographer. Reproduced by kind permission of Allen Norcross.
			Q5(a), Fig. 5.1	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 3 Applied Science (cont)					
05847, 05848, 05849, 05874, 05879	Unit 3: Scientific analysis and reporting (cont)	Question Paper	Q5(c), Fig. 5.2	'Sugar reduction: Report on progress between 2015 and 2018', September 2019, www.gov.uk, Public Health England. Reproduced under the Open Government Licence v3.0 © Crown copyright 2019.		
			Q6(d)(ii), Fig. 6.2	OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.		
			Q6(e)	OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.		
			Q7, Fig. 7.1	www.dlr.de, DLR. Reproduced under the Creative Commons Attribution v3.0.		
			Q7(a), Fig. 7.2	'When the Larsen C ice shelf broke, it exposed a hidden world' 13 October 2017, www.sciencenews.org, ScienceNews. Item removed due to third party copyright restrictions.		

	Level 3 Applied Science (cont)					
05847, 05848, 05849, 05874, 05879	Unit 22: Global scientific information	Question Paper	Q6, Fig. 6.1	© Ranko Maras, Shutterstock Photo Library, www.shutterstock.com		
		Insert	Image 1	www.msc.org, Marine Stewardship Council. Reproduced by kind permission of the Marine Stewardship Council.		
			Image 2	© richcarey, iStock Photo Library, www.istockphoto.com		
			Image 3	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 3 Applied Science (cont)						
05847, 05848, 05849, 05874, 05879	Unit 23: Scientific research techniques	Question Paper	Table 1.1 Source C	S Luthra, S Theodore, J Tatoulis 'Bio-glue: A Word of Caution', September 2008 Volume 86, Issue 3, www.annalsthoracicsurgery.org, The Annals of Thoracic Surgery. 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 1.1 Source E	G Hidas, A Kastin, M Mullerad, J Shental, B Moskovitz and O Nativ 'Sutureless nephron-sparing surgery: Use of albumin glutaraldehyde tissue adhesive (BioGlue)', 'To determine the feasibility of using serum albumin glutaraldehyde tissue adhesive (bio-glue) to achieve hemostasis and prevent urine leakage during nephron-sparing surgery (NSS)', April 2006, www.sciencedirect.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.			
			Q2	Data from a 2013 American study published online. Reproduced under the Creative Commons Attribution v2.0 Generic (CC BY 2.0).			

05847, 05848, 05849,	Unit 23: Scientific research	Pre-Release	Source A	Adapted from Dr Mahshid Dehghan, Andrew Mente,
05874, 05879	techniques	rie-Release	Source A	Xiaohe Zhang, Sumathi Swaminathan, Prof Wei Li, Prof Viswanathan Mohan et al. 'Associations of fats and carbohydrate intake with cardiovascular disease and mortality in 18 countries from five continents (PURE): a prospective cohort study', www.thelancet.com, The Lancet. 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	Adapted from Benedict Jephcote 'Fat and politics - Nina Teicholz on how the Seven Countries Study influenced dietary policy', 14 December 2016, www.diabetes.co.uk. Reproduced by kind permission of Diabetes.co.uk.

Level 2 Business						
05891, 05892	Unit 1: Principles of working in business administration	Computer Based Test	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	Computer Based Test	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	usiness	
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	Pre-release	Appendix 1	Adapted from 'Park and ride', A Policy Guidebook, KonSULT, the Knowledgebase on Sustainable Urban Land use and Transport, edited at the Institute for Transport Studies, www.its.leeds.ac.uk, University of Leeds. Reproduced by kind permission of the University of Leeds.
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.
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 1: Digital media and emerging technologies	Computer Based Test	Q11 (Image 1)	© silvionka, iStock Photo Library, www.istockphoto.com
			(Image 2)	© Elenathewise, iStock Photo Library, www.istockphoto.com
			(Image 4)	© Babayev, iStock Photo Library, www.istockphoto.com
05897, 05899	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 Digi	tal Media	
05843, 05844, 05845, 05846, 05875	Unit 1: Media products and audiences	Insert	Fig. 1	'Broadcaster VOD viewed on TV set grew by 18% in 2018', Broadcaster VOD key numbers, 22 July 2019, www.thinkbox.tv, Thinkbox TV. Reproduced by kind permission of Thinkbox TV Ltd.
			Fig. 2	Adapted from Julia Rulf and Florian Kerkau, Goldmedia, 'All change in the UK SVOD market', 7 November 2019, www.broadbandtvnews.com, Broadband TV News. 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. 3	Adapted data showing the total market reach of print and digital brands October 2018-September 2019, www.pamco.co.uk, PAMCo Ltd. Reproduced by kind permission of PAMCo Ltd.
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.

Level 3 Digital Media (cont)					
05843, 05844, 05845, 05846, 05875	Unit 25: Research for product development	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.		

	L	evel 2 Eng	ineering	
05887, 05888	Unit 1: Fundamentals of mechanical, electrical/electronic and fluid	Computer Based Test	Q22	© Titov Nikolai, Shutterstock Photo Library, www.shutterstock.com
	power engineering		Q24(a)	© archerix, Shutterstock Photo Library, www.shutterstock.com
			Q24(b)	© Designua, Shutterstock Photo Library, www.shutterstock.com
			Q24(c)	© AndreyProekt, Shutterstock Photo Library, www.shutterstock.com
			Q24(d)	© VladimirV, Shutterstock Photo Library, www.shutterstock.com
05887, 05888	Unit 2: Application of engineering principles	Computer Based Test		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.

Level 3 Engineering				
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 2: Science 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 1: Principles of working in health, social care and childcare	Computer Based Test		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	Computer Based Test	Q3, Fig. 3.1	© Nova II, Shutterstock Photo Library, www.shutterstock.com

	Level 3 Health & Social Care				
05830, 05831, 05832, 05833, 05871	Unit 2: Equality, diversity and rights in health and social care	Question Paper	Q3	Adapted from 'Sri Lankan wins lawsuit against NHS as midwives fail to explain why she needed to feed her son due to language barrier', 13 April 2018, www.telegraph.co.uk, © Telegraph Media Group Limited 2018.	
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		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	

	Level 3	Health & S	Social Care	e (cont)
05830, 05831, 05832, 05833, 05871	Unit 25: Research methods in health, social care and childcare	Pre-release	Source A	Adapted from Sackley C M, Walker M F, Burton C R, Watkins C L, Mant J, Roalfe A K et al. 'An Occupational Therapy (OT) intervention for residents with stroke-related disabilities in UK Care Homes (OTCH): cluster randomised controlled trial with economic evaluation', 29 February 2016. Health Technology Assessment Volume 20, www.journalslibrary.nihr.ac.uk, National Institute for Health and Care Research Journals Library. Reproduced under the terms of Non-Commercial Government Licence for public sector information.
			Source B	Adapted from Woo T, Lau L, Cheung N, Chan P, Tan K, et al. 'Efficacy of Oral Collagen in Joint Pain - Osteoarthritis and Rheumatoid Arthritis', 28 February 2017, www.iomcworld.org, Journal of Arthritis 6:233. Reproduced under the terms of Attribution 4.0 International (CC BY 4.0).
			Source C	Adapted from Blake A and Sexton J, 'An Exploration of the Outdoor Play Experiences of Preschool Children with Autism Spectrum Disorder', 12 May 2017, www.ucc.ie, CARL Research Project in collaboration with COPE Foundation, University College Cork, Ireland. 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 IT				
05883, 05884	Unit 1: Essentials of IT	Computer Based Test	Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.	
05883, 05884	Unit 2: Essentials of Cyber Security	Computer Based Test	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,	Unit 1: Fundamentals of IT	Question	Any reference to existing companies or
05841, 05842, 05877		Paper	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	Computer Based Test	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 3: Influential performance practice	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	Performance stimulus 1	© anasalhajj, Shutterstock Photo Library, www.shutterstock.com

Level 2 Sport				
05885, 05886	Unit 1: Physical activity, health and wellbeing	Computer Based Test	Q37-38, Fig. 4	Adapted from 'Active Lives Children and Young People Survey - Academic year 2018/19' Levels of activity, December 2019, www.sportengland.org, Sport England. Reproduced by kind permission of Sport England.
			Q39-40, Fig. 5	Adapted from 'Active Lives Children and Young People Survey - Academic year 2018/19', Disability and long-term health conditions, December 2019, www.sportengland.org, Sport England. Reproduced by kind permission of Sport England.
05885, 05886	Unit 2: Physical preparation and readiness for sport and physical activity	Computer Based Test		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(b), Fig. 12	© Denis Kuvaev, Shutterstock Photo Library, www.shutterstock.com	
05826, 05827, 05828, 05829, 05872	Unit 3: Sports organisation and development	Question Paper	Q1(b) Q2(c), Fig. 2	Adapted from Bray, Chapman, Myatt, Bointon, Short, Martin, 'Cambridge Technicals Level 3 Sport and Physical Activity' p44, 2016, Hodder Education. 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. Adapted from 'Active Lives Adult Survey' May 17/18 Report, October 2018, www.sportengland.org, Sport England. Reproduced by kind permission of Sport England.	
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.	

Level 3 Sport (cont)						
05826, 05827, 05828, 05829, 05872	Unit 21: The business of sport	Question Paper	Q17	Adapted from Russell Fuller, 'Davis Cup reforms will provide 'extra \$25m a year for tennis development', 27 September 2018, www.bbc.co.uk, BBC Sport. 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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