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For the January 2021 Cambridge Technical
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Level 3 Applied 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, Fig. 2.1 (Graph)	'HPLC Testing & UPLC Testing', www.impactanalytical.com , Impact Analytical. 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), Fig. 4.1 (Image)	Image of blood cells view under a light microscope, Systems Cell Biology, Peripheral Blood Lab, December 2018, www.medcell.med.yale.edu , Yale University. Reproduced by permission of Yale University.
			Q6(d), Fig. 6.2 (Image)	Craig Ward, 'Subvisual Subway', www.wordsarepictures.co.uk . Reproduced by permission of Craig Ward, Artist/Designer.
05847, 05848, 05849, 05874, 05879	Unit 3: Scientific analysis and reporting	Question Paper	Q1(c), Fig. 1.5	Alan Lapworth and James Macgregor, 'Seasonal variation of the prevailing wind direction in Britain, Weather', Vol. 63, No.12, p366, December 2008, www.rmets.onlinelibrary.wiley.com , Royal Meteorological Society. 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)

<p>05847, 05848, 05849, 05874, 05879</p>	<p>Unit 3: Scientific analysis and reporting</p>	<p>Question Paper</p>	<p>Q3, Table 3.1 (Image)</p> <p>Q7, Fig. 7.1 (Table)</p> <p>Q7, Fig. 7.2 (Image)</p> <p>Q7, Fig. 7.3 (Graph)</p>	<p>Reproduced under the terms of Creative Commons Attribution ShareAlike 3.0 License (CC BY-SA 3.0).</p> <p>Daniela Cadena-Herrera, Joshua E Esparza-De Lara, Nancy D Ramírez-Ibañez, Carlos A López-Morales, Néstor O Pérez, Luis F Flores-Ortiz, Emilio Medina-Rivero, 'Validation of three viable-cell counting methods: Manual, semi-automated, and automated', September 2015, www.sciencedirect.com, Science Direct, Biotechnology Reports Volume 7. Reproduced under the terms of Attribution-NonCommercial-NoDerivatives 4.0 International (CC BY-NC-ND 4.0)</p> <p>Daniela Cadena-Herrera, Joshua E Esparza-De Lara, Nancy D Ramírez-Ibañez, Carlos A López-Morales, Néstor O Pérez, Luis F Flores-Ortiz, Emilio Medina-Rivero, 'Validation of three viable-cell counting methods: Manual, semi-automated, and automated', September 2015, www.sciencedirect.com, Science Direct, Biotechnology Reports Volume 7. Reproduced under the terms of Attribution-NonCommercial-NoDerivatives 4.0 International (CC BY-NC-ND 4.0)</p> <p>Daniela Cadena-Herrera, Joshua E Esparza-De Lara, Nancy D Ramírez-Ibañez, Carlos A López-Morales, Néstor O Pérez, Luis F Flores-Ortiz, Emilio Medina-Rivero, adapted from 'Validation of three viable-cell counting methods: Manual, semi-automated, and automated', September 2015, www.sciencedirect.com, Science Direct, Biotechnology Reports Volume 7. Reproduced under the terms of Attribution-NonCommercial-NoDerivatives 4.0 International (CC BY-NC-ND 4.0)</p>
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Level 3 Applied Science (cont)				
05847, 05848, 05849, 05874, 05879	Unit 22: Global scientific 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.
05847, 05848, 05849, 05874, 05879	Unit 23: Scientific research techniques	Pre-release – Source A Pre-release – Source B		<p>Catherine De Lange and James Witts, adapted from 'No sweat: Does high-intensity interval training work?' 10 January 2018, www.newscientist.com NewScientist. 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.</p> <p>Tabata Izumi, Nishimura Kouji, Kouzaki Motoki; Hirai Yuusuke, Ogita Futoshi, Miyachi Motohiko, Yamamoto Kaoru, adapted from 'Effects of moderate-intensity endurance and high-intensity intermittent training on anaerobic capacity and VO₂ max', October 1996, www.journals.lww.com, Medicine & Science in Sports & Exercise. Reproduced under the terms of free access.</p>

Level 2 Business

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 Business				
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	Q1, Fig. 1	Adapted diagram from online article 'UK: Ethical consumer behaviour in fashion market on the rise.' by Redaktion, 17/12/2010, www.organic-market.info © Made-By.org. 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 3: Business decisions	Pre-release/ Insert	Appendix 2	Online article 'Britain loves a bar of soap' by Tim Nancholas, 08/08/2019, www.uk.kantar.com , Kantar Insights UK. 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.

Level 3 Business (cont)

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		Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.
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 Digital Media				
05843, 05844, 05845, 05846, 05875	Unit 1: Media products and audiences	Insert	Fig. 1 (Image) Fig. 2 (Image)	Adapted data from 'Total Market Reach of Published Media in GB between January-December 2018', (Nov 2018 Comscore data), January 2019, www.pamco.co.uk , PAMCo. Reproduced by permission of PAMCo Ltd. Adapted data from 'Infographic showing patterns of UK radio listenership between July 2017-July 2018', accessed August 2018, www.rajar.co.uk , RAJAR. Reproduced by permission of RAJAR.
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/ 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 2 Engineering				
05887, 05888	Unit 1: Fundamentals of mechanical, electrical/electronic and fluid power engineering	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.
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		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 & Social Care				
05830, 05831, 05832, 05833, 05871	Unit 2: Equality, diversity and rights in health and social care	Question Paper	Q2	Tamsin Kelly, adapted from 'A Day In the Life of a Social Worker: Putting Children First', 12 March 2018, updated 22 March 2018, www.huffingtonpost.co.uk , Huffpost © 2019 Verizon Media. Reproduced by permission of Verizon Media.
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	Q3(a) (Image) Q5(d) (Image)	Benjamin Gorman, adapted from 'A Framework for Speechreading Acquisition Tools', March 2018, www.discovery.dundee.ac.uk , University of Dundee. Reproduced by permission of Benjamin Gorman. Adapted from 'Standard Level. Human Physiology. The blood system. Arteries. Structure and Function. Structure of a Typical Artery', www.ib.bioninja.com.au © BioNinja. Reproduced by permission of BioNinja.
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.

Level 3 Health & Social Care (cont)				
05830, 05831, 05832, 05833, 05871	Unit 7: Safeguarding	Question Paper	Q1	Adapted from 'Action taken by CQC to protect people being cared for at Westgate College for Deaf People and the Road Project in Margate', 5 April 2016, www.cqc.org.uk , CQC Care Quality Commission. Reproduced under the terms of Creative Commons Open Government Licence v3.0.
05830, 05831, 05832, 05833, 05871	Unit 25: Research methods in health, social care and childcare	Pre-release	Source A	Cheung, Celeste and Bedford, R and Saez De Urabain, Irati R and Karmiloff-Smith, Annette and Smith, Tim J, adapted from 'Daily touchscreen use in infants and toddlers is associated with reduced sleep and delayed sleep onset', Scientific Reports 7, 13 April 2017, www.nature.com , Springer Nature Publishing. Reproduced under the terms of Creative Commons (CC BY 4.0) – Attribution 4.0 International.
		Pre-release	Source B	S Johnsen, S Fitzpatrick & B Watts, adapted from 'Homelessness and social control: a typology', Housing Studies, pp 1106-1126, 22 January 2018, www.tandfonline.com , Taylor & Francis Online. Reproduced under the terms of Creative Commons (CC BY 4.0) – Attribution 4.0 International.
		Pre-release	Source C	K M Turner, A K Zienkiewicz, J Syred, et al, adapted from 'Web-Based Activity Within a Sexual Health Economy: Observational Study', March 2018, www.ncbi.nlm.nih.gov , National Center for Biotechnology Information (NCBI), U.S. National Library of Medicine.

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.

Level 3 IT

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	Computer Based Test	Q67 (Image)	Image of data of results from a speed test, www.speedtest.net , Speedtest® by Ookla®. Reproduced by permission of Speedtest® by Ookla®.

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 Performance Stimulus 2	© Tithi Luadthong, Shutterstock Photo Library, www.shutterstock.com www.Quotefancy.com , Quotefancy.com

Level 2 Sport

05885, 05886	Unit 1: Physical activity, health and wellbeing	Computer Based Test	Q10/11/12 Fig. 3 (Image)	© decade3d - anatomy online, Shutterstock Photo Library, www.shutterstock.com
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

<p>05826, 05827, 05828, 05829, 05872</p>	<p>Unit 1: Body systems and the effects of physical activity</p>	<p>Question Paper</p>	<p>Q12(b) Fig. 12.2 (Image)</p> <p>Q14, Fig.14 (Image)</p> <p>Q16, Fig. 16 (Image)</p>	<p>© Puwadol Jaturawutthichai, Shutterstock Photo Library, www.shutterstock.com</p> <p>© solar22, Shutterstock Photo Library, www.shutterstock.com</p> <p>© Elen Bushe, Shutterstock Photo Library, www.shutterstock.com</p>
<p>05826, 05827, 05828, 05829, 05872</p>	<p>Unit 3: Sports organisation and development</p>	<p>Question Paper</p>	<p>Q1(b)</p> <p>Q2(d)*</p> <p>Q3(a)</p>	<p>Bray, Chapman, Myatt, Bointon, Short, Martin, adapted from 'Cambridge Technicals Level 3 Sport and Physical Activity' p44, 2016, Hodder Education. Reproduced by permission of Hodder Education.</p> <p>Adapted from 'Proportion of adults who spend less than 30 minutes a week engaging in sport and physical activity', 28 February 2019, www.sportengland.org, Sport England. Reproduced by permission of Sport England.</p> <p>Bray, Chapman, Myatt, Bointon, Short, Martin, adapted from 'Cambridge Technicals Level 3 Sport and Physical Activity' p54, 2016, Hodder Education. Reproduced by permission of Hodder Education.</p>
<p>05826, 05827, 05828, 05829, 05872</p>	<p>Unit 4: Working safely in sport, exercise, health and leisure</p>	<p>Question Paper</p>		<p>Any reference to existing companies or organisations is entirely coincidental and is not intended as a depiction of those companies or organisations.</p>

Level 3 Sport (cont)

05826, 05827, 05828, 05829, 05872	Unit 21: The business of sport	Question Paper	Section C Case Study	Steven Impey, adapted from 'Tottenham's new stadium to offer NFL a 'permanent home' in London', 21 March 2019, www.sportspromedia.com , SportsPro Media Limited, The Independent. Reproduced by permission of SportsPro Media Limited, The Independent.
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