

Mark Scheme

Q1.

Q	Answer	Mark
	<p>The only correct answer is B (CH_3CO^+)</p> <p><i>A is incorrect because the fragment is not present in propanone</i></p> <p><i>C is incorrect because the fragment is not present in propanone</i></p> <p><i>D is incorrect because the fragment is not present in propanone</i></p>	1

Q2.

Question Number	Answer	Mark
(4)	<p>The only correct answer is B (oxidising propan-1-ol to propanal)</p> <p><i>A is incorrect because reducing an alcohol would produce an alkane</i></p> <p><i>C is incorrect because reducing propanal would produce propan-1-ol</i></p> <p><i>D is incorrect because oxidising propan-1-ol would produce propanal or propanoic acid</i></p>	(1)

Question Number	Answer	Mark
(5)	<p>The only correct answer is A (propan-1-ol)</p> <p><i>B is incorrect because propan-2-ol would not be expected to form a $^{\circ}\text{CH}_2\text{OH}$ fragment</i></p> <p><i>C is incorrect because propanal would not be expected to form a $^{\circ}\text{CH}_2\text{OH}$ fragment</i></p> <p><i>D is incorrect because propanone would not be expected to form a $^{\circ}\text{CH}_2\text{OH}$ fragment</i></p>	(1)

Question Number	Answer	Mark
(6)	<p>The only correct answer is C (propanal)</p> <p><i>A is incorrect because propan-1-ol would have a broad absorption at $3750\text{--}3200\text{ cm}^{-1}$ due to $-\text{OH}$</i></p> <p><i>B is incorrect because propan-2-ol would have a broad absorption at $3750\text{--}3200\text{ cm}^{-1}$ due to $-\text{OH}$</i></p> <p><i>D is incorrect because the absorption due to $\text{C}=\text{O}$ in propanone would be at $1720\text{--}1700\text{ cm}^{-1}$ and C-H stretching vibrations at $2775\text{--}2700\text{ cm}^{-1}$ would be absent</i></p>	(1)

Q3.

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Michael Witherick, Dan Cowling



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Handbook of Research on E-Assessment in Higher Education Azevedo, Ana, Azevedo, José, 2018-09-14 E assessments of students profoundly influence their motivation and play a key role in the educational process Adapting assessment techniques to current technological advancements allows for effective pedagogical practices learning processes and student engagement The Handbook of Research on E Assessment in Higher Education provides emerging perspectives on the theoretical and practical aspects of digital assessment techniques and applications within educational settings Featuring coverage on a broad range of topics such as competency assessment adaptive courseware and learning performance this publication is ideally designed for educational administrators educational professionals teachers and professors researchers and graduate level students seeking current research on comparative studies and the pedagogical issues of online assessment in academic institutions *Pearson Edexcel A-level Geography Student Guide 2: Human Geography* Cameron Dunn, 2022-01-14 Reinforce understanding throughout the course with clear topic summaries and sample questions and answers to help students target higher grades Written by experienced subject expert Cameron Dunn this Student Guide is divided into two key sections content guidance and sample questions and answers Content guidance will Develop understanding of key concepts and terminology in key human geography topics globalisation regenerating places diverse places superpowers health human rights and intervention and migration identity and sovereignty Consolidate knowledge with knowledge check questions at the end of each topic and answers in the back of the book Sample questions and answers will Build understanding of the different question types so that students can approach each question with confidence Enable students to target top grades in their exam paper with sample answers and commentary explaining exactly why marks have been awarded **Understanding and Applying Assessment in Education** Damian Murchan, Gerry Shiel, 2017-04-29 All teachers are responsible for assessing the children they teach and the outcomes of any assessment are important for individual learners and the wider school This book is your one stop shop for understanding assessment in schools It covers formative and summative approaches used across primary and secondary education supporting a balanced overview with policy examples drawn from the UK Ireland and wider international contexts Designed as a pragmatic handbook for new teachers and those training to teach the book discusses key principles of assessment before providing guidance on developing and carrying out assessment in the classroom and looking at how assessment information can be used to benefit your teaching and the children you teach **My Revision Notes Edexcel A2 History: A World Divided: Superpower Relations, 1944-90** Les Barker, 2013-03-29 Unlock your full potential with this revision guide which focuses on the key content and skills you need to know for Edexcel A2 History A World Divided Superpower Relations 1944 90 Written by experienced teachers this series closely combines the content of Edexcel A2 History A World Divided Superpower Relations 1944 90 with revision activities and advice on exam technique Each section has a model answer with

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Teaching and Learning in Further Education Prue Huddleston, Lorna

Unwin,2013-09-05 Further education colleges now deliver education and training to more students than any other institutions in the post compulsory sector Presenting a practical guide to teaching and learning within the context of the changing FE environment this book addresses the diverse nature of the curriculum and of the student body for which it is designed This new edition looks at recent developments in policy legislation the organisation of the FE sector student profiles and other contextual factors which have an impact on the everyday life of colleges Topics in this third edition include 14 16 year olds in college and the impact of the Increased Flexibility Programme marginal groups in college including second language learners and asylum seekers workplace learning college workplace links e learning and individualised learning developments in e assessment and personal records of achievement Full of practical activities and case study examples Teaching and Learning in Further Education helps the reader to consider differing student needs and how these might best be served It is essential reading for lecturers tutors and teaching assistants in higher and further education *Teaching Business Education 14-19* Martin Jephcote,Ian Abbott,2013-09-05 Written in association with the EBEA this authoritative text provides a comprehensive and insightful study of current curriculum development and classroom practice with business education Up to date practical and covering the very latest issues it presents Advice on planning courses and managing the curriculum The latest developments in 14 19 Guidance on the emerging work related curriculum A focus on key topics such as enterprise education e learning and citizenship A teacher reviewed annotated resource guide of text based and web based resources **Debates in Geography Education** Mark Jones,David Lambert,2017-09-07 Debates in Geography Education encourages early career teachers experienced teachers and teacher educators to engage with and reflect on key issues concepts and debates It aims to enable readers to reach their own informed judgements with deeper theoretical knowledge and understanding The second edition is fully updated in light of the latest research policy and practice in the field as well as key changes to the curriculum and examination specifications Expert contributors provide a range of perspectives on international historical and policy contexts in order to deepen our understanding of significant debates in geography education Key debates include geography s identity as an academic discipline what constitutes knowledge in geography places and regional geography what it means to think geographically constructing the curriculum how we link assessment to making progress in geography the contribution of fieldwork and outdoor experiences technology and the use of Geographical Information school geography and employability understanding the gap between school and university geography evidence based practice and research in geography education The comprehensive rigorous coverage of these key issues together with carefully annotated selected further reading will help support and shape further research and writing Debates in Geography Education is a key resource that is essential reading for all teachers and researches who wish to extend their grasp of the place of geography in education Mark Jones is Senior Lecturer in Education at the University of the West of England Bristol UK David Lambert is Professor of Geography Education at UCL Institute of Education London UK *Secondary History in*

Action Catherine Priggs, Hugh Richards, David Hibbert, Elizabeth Carr, 2025-06-06 Drawing on over 60 years combined experience of history teaching and history curriculum leadership Carr Hibbert Priggs and Richards explore ways to make history memorable engage students in historical thinking and secure excellent outcomes for all Their perspective is grounded in history s disciplinary distinctiveness and a vision for its purpose in students education The authors of *Secondary History in Action* articulate practical approaches to history curriculum design ways to teach disciplinary history in the classroom and methods to assess students knowledge and understanding They draw together recent research and established traditions in history teaching discourse in a coherent summary that will be helpful to trainee and beginning teachers non specialist teachers of history subject leaders and senior leaders line managing history departments *Britain in the Twentieth Century* Ian J. Cawood, 2013-08-21 *Britain in the Twentieth Century* is a new approach to teaching and learning twentieth century British history at A level It meets the needs of teachers and students studying for today s revised AS and A2 exams In a unique style *Britain in the Twentieth Century* focuses on the key topics within the period Each topic is then comprehensively explored to provide background essay writing advice and examples source work and historical skills From 1900 to the new millennium the key topics featured include Britain in a new century 1900 1914 the First World War and its impact inter war domestic problems British foreign policy 1919 1939 Britain and the Second World War social and economic change 1945 1979 *The Great University Gamble* Andrew McGettigan, 2013-04-05 In 2010 the UK government imposed huge cuts and market driven reforms on higher education Proposals to raise undergraduate tuition fees lead to angry student led protests What will become of higher education under this new policy regime *The Great University Gamble* outlines the architecture of the new frontier for higher education surveying the financial and policy details Andrew McGettigan asks the big questions What will be the role of universities within society How will they be funded What kind of experiences will they offer students Where does the public interest lie With privatisation infringing on our universities and colleges education is threatened with transformation from a public good into a private individual financial investment *Edexcel AEA*. Edexcel, 2004

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