

A Level Music Technology



Student Exemplars

Pearson Edexcel Level 3 Advanced GCE in Music Technology (9MT0/03)



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About this exemplar pack

This pack has been produced to support Music Technology teachers delivering the new A Level Music Technology qualification (first assessment summer 2019).

The pack contains exemplar student responses for Component 3, Section A and B. This component assesses two different Assessment Objectives. AO3 and AO4.

	Students must:
AO3	Demonstrate and apply knowledge and understanding of music technology
A04	Use analytical and appraising skills to make evaluative and critical judgements about the use of music technology

Following the mark scheme you will find the student answer(s) and the level that the student has achieved, with accompanying examiner comments on how the marks have been awarded.

This pack currently contains sample work for Section A and B.

Students and teachers are to be thanked for their time and generosity in completing these responses.

Overview of Areas of Study

Three Areas of Study underpin the whole specification, encouraging both breadth and depth of knowledge and understanding. In addition, within individual components, they provide a contextual focus for students' practical and theoretical work. Under the overview for Areas of Study we have concentrated on component 3, removing all other components apart from within the table below.

Area of Study 1: Recording and production techniques for both corrective and creative purposes

In component 3, the focus will be on the capture, arrangement of sounds and mixing and mastering techniques that have been used on a series of unfamiliar commercially available recordings.

Area of Study 2: Principles of sound and audio technology

In component 3, the focus of this Area of Study will be the knowledge and understanding of the principles of sound and of audio technology in relation to unfamiliar commercially available recordings provided by Pearson in the exam.

Area of Study 3: The development of recording and production technology In component 3, the focus of this Area of Study will be the knowledge and understanding of the history and development of recording and production

technology from current digital technologies back to the mono, analogue recording technologies in the 1930s.

The table below identifies where each Area of Study is covered in the components. Please refer to *Appendix 3* for definitions of any acronyms used in each Area of Study.

Area of Study	Component
1: Recording and production techniques for both corrective and creative purposes	 Recording Technology-based composition Listening and analysing Producing and analysing
2: Principles of sound and audio technology	3: Listening and analysing 4: Producing and analysing
3: The development of recording and production technology	3: Listening and analysing

Component 3: Listening and Analysing

Question 1(f)

Delay has been applied to the snare drum. Complete the table below to identify the settings used.

Question number	Answer			
1(f)			(3)	
	Control	Setting		
	Pan position	Right (1)		
	Feedback %	0 (1)		
	Note length of delay time	Allow values between 12th/12/triplet quaver and 16th/16/semiquaver (1)		

(f) Delay has been applied to the snare drum. Complete the table below to identify the settings used.

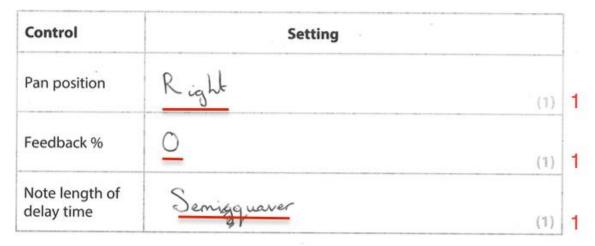
Control	Setting		
Pan position	lest x	(1)	0
Feedback %	207. X	(1)	C
Note length of delay time	quaver	(1)	0

Examiner comments

The example scores no marks. The candidate probably had her headphones the wrong way around. Although the candidate identified a low amount of feedback, it's clear from the recording that it's just a single repeat. The delay time the candidate has given is too long.

Student answer B

(f) Delay has been applied to the snare drum. Complete the table below to identify the settings used.



Examiner comments

This example scores full marks. The candidate has correctly identified the pan, feedback and delay time using note values.

Question 2(a) Describe the dynamic processing applied to the drum kit.

Question number	Answer	Mark
2(a)	Any three of the following: • heavy compression (1) • pumping/squashed (1) • valve compression causing soft clipping (1) • low threshold (1) • high ratio (1) • fast release (1) • increased average/RMS level (1).	(3)

(a) Describe the dynamic processing applied to the drum kit.	(3) 3
The drums have been heavily compressed	to make
then all sound a year similar volume. It	
been compressed with a high ratio, a low	
threshold and a high gain	=

Examiner comments

This example scores full marks. The candidate can hear the extreme compression settings in the music and can explain them using technical terms with correct parameter settings. The underlined phrases match the mark scheme marks almost word for word. However "to make them all sound a very similar volume" is a definition of what a compressor does but isn't really answering the specific question about the effect in this song so doesn't get the "pumping" mark.

Student answer B

(a) Describe the dynamic processing applied to the drum kit.

Compass filter using Ea. This is particularly noticeable on the snare. The high/mid-high trequencies have been cut x.

Compression has been applied Expand

The combals have had be high frequencies removed as well x.

Examiner comments

The example scores no marks. The candidate has mostly discussed EQ rather than dynamic processing so most of the information isn't relevant. The candidate has noticed that compression has been used. The command word is "describe" but there is no description of the compression and no reference to parameter settings.

Question 2(c) Explain how analogue tape technology has been used creatively between 0:56–1:25

Question number	Answer	Mark
2(c)	One mark is awarded for each point to a maximum of 2 marks, with a further mark for an explanation of each point, to a maximum of 4 marks. Answers might include: • tape loops/sections of tape (1) being overdubbed onto the main multitrack/master tape from another tape (1) • tape recordings have been played in reverse (1) following the parts being recorded with the tape running backwards (1) • tape recordings have been played at faster/slower speeds (1) than originally recorded giving a higher/lower pitch (1) • the speed of the looped tape is varied manually (1) the engineer pulls the tape over the tape heads at varying velocities (1) • some of the sounds that were used were recorded from Mellotron (1), which has sections of tape inside (1) • tape recordings are used as an 'instrumental/solo' (1) section which is very innovative for the time period (1) • tape solos are in a free/irregular rhythm, (1) contrasting with the regular 2-bar drums and bass riff (1).	(4)

(c) Explain how analogue tape technology has been used creatively between 0:56–1:25.

Section	s d	tope	Lare	been	out up	and	(4) 3 Stuck
) los	zether	**	again	Lo	creste	loop	Feature 1
and	edit	ed	snippels	of a	ecordings.	Jone	sections
f	tape	Lare	been	pla	yed back	kwards	
l 	that	4	le su	lio is	reversed	9.,	nd
some	2re	playe	d over	He	ben of	each	other.
Also	some	kay	ne La	been	sped	up to	ircrease
the	nitch	and	speed	of the	e notes	Featu	re 2
	Expla	nation 2	1	V	otal for Questio		narks)

Examiner comments

This example scores 3 marks. The first sentence = "tape loops/sections of tape" in the mark scheme. There is no further explanation of how this would be recorded back on to the multi-track tape so scores 1. The final sentence identifies that the "tape recordings have been played at faster/slower speeds" and then goes on to link this to a change of pitch, scoring the explanation mark. Although there is a potential further mark in the middle sentence about reversing tape, similarly to the first sentence, there is no further explanation. According to the mark scheme, "one mark is awarded for each point to a maximum of 2 marks" so no further mark can be given for identifying a third feature.

(c) Explain how analogue tape technology has been used creatively between 0:56–1:25.

(4) 1

Panning has been used for each instruments
solo section so they can be heard clearly
in the mix. These instruments are also
forded out making a harsh transition
between each solo. Tape loops have also
been used effectively within the instrumental
where the instruments fade in and at
repetituly throughout it.

Examiner comments

This example scores 1 mark. There are references to panning and volume which isn't answering the question about tape so these don't receive credit. The candidate has correctly identified that "tape loops" were used.

Question 3(a)

This song was recorded using 1950s technology. Explain two characteristics heard in this song that support this statement.

Question number	Answer	Mark
3(a)	 One mark is awarded for each point to a maximum of 2 marks, with a further mark for an explanation of each point, to a maximum of 4 marks. Answers might include: chamber reverb has been used on vocals/saxophone (1) which was the most popular way to have different ambience on recordings (1) the recording is mono (1) as only one track tape was available (1) no effects other than reverb (1) as they had not been invented until the 1960s (1) some of the instruments sound distant (1) due to limited number of microphones (1) surface noise present (1) due to vinyl consumer format. (1) double bass used (1) because the bass guitar was not widely used at the time. (1). Accept other reasonable responses. 	(4)

Stu	de	nt	ar	N	ver	Δ

in this song that support this statement.	(4) 0
1 12 bar blues x	
2	

(a) This song was recorded using 1950s technology. Explain two characteristics heard

Examiner comments

This example scores no marks. The question is asking about the use of technology, not musical features.

Student answer B

(a) This song was recorded using 1950s technology. Explain **two** characteristics heard in this song that support this statement.

1 The	record	ing is	in <u>m</u>	<u>ono</u> ,	gs i	uh: ch	is	com	~0^
of this									
One Mi									

Examiner comments

This example scores 3 marks.

In point 1: "mono" is correctly stated. However there is no further explanation about the technology of the time.

In point 2: "only one microphone would have been used on the drum kit" = "due to limited number of microphones" in the mark scheme. "The only audible drum is the snare drum" = "some of the instruments sound distant" in the mark scheme.

(4) 3

Question 4(a)

Fatboy Slim makes use of 12-bit hardware sampling equipment with limited RAM. Explain three ways how this equipment contributes to the sonic qualities of this song.

Question number	Answer	Mark
4(a)	One mark is awarded for each point to a maximum of 3 marks, with a further mark for an explanation of each point, to a maximum of 6 marks. Answers might include: • short samples taken from other recordings (1), which sound 'retro' (1) • sample stutters/chopped samples (1) adds rhythmic/glitch effect (1) • limited sample time (1), leading to lots of looping/limited number of samples/reduction in sample rate (1) • limited bit depth (1) reduces dynamic range/signal-to-noise ratio/resolution/adds grit distortion to samples (1) • reducing sample rate (1) to give mirroring frequencies/aliasing/distortion/restricted frequency response (1).	(6)
	Accept other reasonable responses.	

(a) Fatboy Slim makes use of 12-bit hardware sampling equipment with limited RAM. Explain three ways how this equipment contributes to the sonic qualities of this song.
The right have have have
Only 2 limited smart of samples con be
used because the equil last 1
menory to store multiple samples. This means
that the samples are repeated over and over
to fill out the length of the song. The
samples are also of law quality Lue to
the 12-bit rope denth the top to the
sut off by the hortune and the dynamic
Explanation 2 is limited. The sampler is used to also
edited & the sudio, like short loops that create
2 stattering effect e.g the first "should".
The sample rate can be lavered to allow more recording
time, which causes high frequencies to be lost
Explanation 4

Examiner comments

This example scores full marks.

This question is marked 1 mark for a feature, and one mark for an explanation. According to the mark scheme, candidates may only score a maximum of three marks for listing features without further explanation.

Feature 1 = "limited sample time" in the mark scheme. Explanation 1 = "leading to lots of looping" in the mark scheme.

Feature 2 is not explicitly stated. The candidate refers to 12-bit which is already in the question, so no credit is given for "limited bit depth" in the mark scheme. However explanation 2 can be credited as "reduces dynamic range" in the mark scheme because it's very clear that she is referring to the result of a low bit depth.

Feature 3 = "sample stutters" in the mark scheme.

Feature 4 = "reducing sampling rate" in the mark scheme. Explanation 4 = "restricted frequency response" in the mark scheme.

(a) Fatboy Slim makes use of 12-bit hardware sampling equipment with limited RAM. Explain three ways how this equipment contributes to the sonic qualities of this song.

(6)	2
12-bit means that there will be a high	
segnal te noise votes un compansion te 16-bit de	enth.
This reduces the Syranis ourge of the audio	
Limited LAM courses means larger som des	***************************************
take exp men sterage so prequencies with here	_
to be best reducing jurgering range (in the	***************************************
high end has pass filter.	2777111100144614409333

Examiner comments

This example scores 2 marks.

The first two sentences contradict each other so no credit can be given for the explanation of "reduces dynamic range" in the mark scheme. However credit can be given for "limited bit depth" in the mark scheme because a comparison has been made with the standard depth of 16 bits.

Feature 2 = "limited sample time" in the mark scheme. No credit can be given for the reference to frequency range because it's incorrectly linked to filtering rather than sample rate.

Question 5

Gregory Porter: Liquid Spirit Track 5

Gregory Porter: Liquid Spirit [20 Syl Remix] Track 6

Compare the production techniques used in both versions.

Question	Indicative content						
number							
5	AO3 (5 marks)/AO4 (10 marks)						
	Marking instructions						
	Marking instructions Markers must apply the descriptors in line with the general marking guidance and the qualities outlined in the levels-based mark scheme below. Responses that demonstrate only AO3 without any AO4 should be awarded marks as follows: Level 1 AO3 performance: 1 mark Level 2 AO3 performance: 2 marks Level 3 AO3 performance: 3 marks Level 4 AO3 performance: 4 marks Level 5 AO3 performance: 5 marks.						
	Indicative content guidance The indicative content below is not prescriptive and candidates are not required to include all of it. Other relevant material not suggested below must also be credited. Relevant points may include:						
	AO3						
	Capture						
	 Original is captured through mics and recorded live. Remix is sequenced in a DAW. 						
	 Remix takes stems from the original as the basis for the track. The remix has lots of vocal layers taken from the original giving the 						
	 impression of overdubbing. Piano is used in the remix but it is sequenced and isn't sampled from the original. 						
	Sampling						
	 No sampling in the original, all acoustic instruments. The samples in the remix are made from stems from the original. 						
	 Vocal samples are looped and stuttered in places. 						
	Vocals from the original are also `scratched'.						
	 Drums are looped from the original. Synthesis 						
	No synthesis in the original; all acoustic instruments.						
	Synths replace the horn section in places from the original.						
	Synth bassline replaces the double bass from the original. Effects						
	EffectsThere is limited use of effects in the original.						
	Vocals have the most processing on them with reverb and compression in						
	the original.						
	 Delay is used most prominently on the vocals in the remix. Stereo widening/ADT is applied to the vocals in places in the remix. 						
	Automated filters are used in the remix.						

Question number	Indicative content
5	AO4
(contd.)	 The original preserves the 'live' feel by using only acoustic instruments, minimal overdubs, minimal processing. On the whole, the techniques and processing used in the electronic remix would not be appropriate for the original jazz track as they are working in different styles. The remix is sequenced and makes use of heavily edited samples from the original, adding more layers, giving a bigger and more contemporary feel. In the remix, vocal fragments are sampled to provide new harmony and rhythm, and retaining continuity with the original. In the remix, the looped drum sample from the original has a rising cutoff on the low pass filter applied to it to give a sense of build. The looped drum samples from the original serve as an additional percussion track, underneath the sequenced drums. The sequenced drums in the remix have been heavily compressed, ensuring that the transients cut through the mix, unlike the original drums. Short delay/stereo widening is applied to the 'clap your hands now' chorus vocal line to give a wider image in the remix. In the remix, vocals from the original are also 'scratched' giving further manipulation of samples. Pitch bend used on the synth bass, which does not happen to the same degree in the original, with slides on the double bass. Compression is more subtle in the orignal version and far more prominent in the remix, giving a punchy dynamic/pumping. Side-chain compression on the synth pad triggered by the kick is used in the remix during the breakdown section, which is stylistic to electronic music and provides rhythmic movement.

Level	Mark	Descriptor
	0	No rewardable material.
Level 1	1-3	 Demonstrates limited knowledge and understanding of production techniques used, some of which may be inaccurate or irrelevant (AO3). Gives limited analysis and deconstruction of production techniques used with little attempt at chains of reasoning (AO4). Makes limited comparisons between the two recordings, with little or no conclusion (AO4).
Level 2	4-6	 Demonstrates some knowledge and understanding of production techniques used, which is occasionally relevant but may include some inaccuracies (AO3). Gives some analysis and deconstruction of production techniques used with simplistic chains of reasoning (AO4). Makes some comparisons between the two recordings, reaching unsupported conclusions (AO4).
Level 3	7-9	 Demonstrates clear knowledge and understanding of production techniques used, which is mostly relevant and accurate (AO3). Gives clear analysis and deconstruction of production techniques used, with competent chains of reasoning (AO4). Makes clear comparisons between the two recordings, reaching partially supported conclusions (AO4).
Level 4	10-12	 Demonstrates detailed knowledge and understanding of production techniques used, which is relevant and accurate (AO3). Gives detailed and accurate analysis and deconstruction of production techniques used, with logical chains of reasoning on occasion (AO4). Makes detailed comparisons between the two recordings, reaching well supported conclusions (AO4).
Level 5	13-15	 Demonstrates sophisticated and accurate knowledge of production techniques used throughout (AO3). Gives sophisticated and accurate analysis and deconstruction of production techniques used, with logical chains of reasoning throughout (AO4). Makes detailed comparisons between the two recordings, reaching sophisticated conclusions (AO4).

Compare the production techniques used in both versions.

(15)Both versus of the Sur everyly diff , noot lity from the Side chair Cerrynessien South, side church to the ises Compression hub to pertured but als bromen mas. The august Steres broug chapeneous a distant soul, and a worsh ride The drung on the remise hower one electronic and fighter , have the Save

Cynthals are and to a Somtwelfects on the argul they have the precessive to get much move than the argual. The are of Samples (vocal) is the mount offered. The remy also are more creative delige than the argul, such as at 1.22 on the new move about is pitch shiped a Stered and autopared. The argul is are all much move ratival and has a live feel to (Total for Question 5 = 15 marks) it, and a greater sere of correction and musicens.

Examiner comments

This example is level 5. The opening paragraph explains how the original was recorded including references to room ambience, linking this with the jazz style. This is then contrasted with the electronic production of the remix with stylistic links to dance production, including instrumentation, sampling and side chain compression. The second paragraph opens with a direct comparison of the types of compression used and links that to the different styles and instrumentation. This paragraph continues, making stylistic comparisons between the drums and percussion in terms of timbre and ambience. The final two sentences make a comparison between the two, comparing the heavily effects laden remix with the "more natural... live feel" of the original.

In summary, there is sophisticated discussion of production techniques (AO3) and these are linked to the respective styles and recording settings (AO4). Detailed comparisons are drawn between the two versions of the songs (AO4).

Compare the production techniques used in both versions.

(15)

The original song has been recorded with live instruments as appose to the remix where midi instruments have been used. This differentiation in instruments can be heard in the bass of both songs. In the original, you can hear the light buszing of the bass at the beginning of the song as well as the housh plucking, suggesting that the bass has been recorded live and then been eg eq'd to get rid of the ster a buzzing which would be been clearly audible in the raw recording. The eq gets rid of this buzzing but leaves some to keep so that the song feels more realistic. Whereas in the remix, a synthlike bass is used and would've been recorded using midi making the song less like the original and At its remix

Examiner comments

This example is level 1. The opening sentence states that there is a difference in instrumentation but no further links are made with jazz and dance styles. The rest of this page merely compares a "live bass", so not even mentioning double bass, with a synth bass. There is a lot of irrelevant information about EQing the string buzz that's inconclusive.

In summary, there is limited knowledge and understanding of production techniques (AO3). Any comparisons between the two songs are limited to the bass (AO4).

Spirit: ORIGINAL: This is a very natural sounding mix, with small amounts of leverb on the instrument tracks, and a natural 1.5, Reverb on the lead vocals The instruments blend together well, with the vocals All the instruments are acoustic. sitting nicely on top. the 20 Syl Kemix, the drums are more prominant - and possibly on an 808. There is an added synth part that has a dub-step feel to it. There is a comp high compression ratio on this track, especially on the vocals. The vocals also have been cut up and pasted sampled to create choppy rhythms and harmony cines. This remix sounds more like a dance track, rather than the Jays Blues of the original track.

Examiner comments

This example is level 3. This candidate has written about the two versions in separate paragraphs so that comparisons are not clearly drawn. There are clear references to the processing in each version with descriptions of parameter settings for reverb and compression; however these are not expanded upon to describe their musical effect. The final two sentences contain some musical effect from the production and comparisons between the versions that fulfil AO4 criteria. In summary, the candidate demonstrates clear knowledge of relevant production techniques (AO3) and some deconstruction of these production techniques to draw comparisons between the two versions (AO4).

Question 6

Britney Spears: Oops!... I Did It Again

Question	Indicative content					
number	A02 (5 marks) (A04 (45 marks)					
6	AO3 (5 marks)/AO4 (15 marks)					
	Marking instructions Markers must apply the descriptors in line with the general marking guidance and the qualities outlined in the levels-based mark scheme below. Responses that demonstrate only AO3 without any AO4 should be awarded marks as follows: Level 1 AO3 performance: 1 mark Level 2 AO3 performance: 2 marks Level 3 AO3 performance: 3 marks Level 4 AO3 performance: 4 marks Level 5 AO3 performance: 5 marks. Indicative content guidance The indicative content below is not prescriptive and candidates are not required to include all of it. Other relevant material not suggested below must also be credited. Relevant points may include: (Candidates must connect the DAW production techniques on this track with					
	the wider impact they have had on music production.) AO3 Copy/pasting of vocal edits. Reversing of vocals. Extensive use of vocal stacks/overdubs. Auto-Tune on vocals. Volume automation. Timed delay on vocals. Minimal noise/hiss on vocal takes.					
	 AO4 Copy/pasting of vocal 'hums' and breath noises used as effects/rhythmic elements. Can easily place consecutive vocal samples in opposing pan positions and with varied effects (e.g. filtering/telephone effect) – techniques widely used as a 'hook' in pop hits to hold the listener's attention. Reversing vocal breaths as a transition effect, e.g. 1:13. Vocal editing is a lot faster so therefore production time and associated costs can be lower. Vocal editing can be so precise that pitch can be corrected. Rhythm correction of audio is so precise that lead and backing vocals are perfectly matched. Reversing vocals is extremely easy and allows producers to create new and interesting timbres using audio. Ability to record multiple (virtually unlimited) takes and then easily compile together. 					

Question number	Indicative content
6 (contd.)	 Auto-Tune was initially used as a corrective tool but has since been used as a creative tool, e.g. T-Pain, Kanye West. Pitch/rhythm correction has led to the rise of 'factory produced' music featuring performers with limited musical talent. Pitch correction alogrithms are so advanced that polyphonic audio can now be repitched, for example recorded vocal ensembles can now be corrected. Artists have reacted in opposition to Auto-Tune and produced purposefully unpolished vocals, e.g. Jay-Z: D.O.A. Volume automation/heavy compression used on vocals to bring up the signature 'vocal fry' inflection. Timed delay on vocals can be synced to note value/bpm of the project giving a tighter rhythm. There is minimal noise/hiss because audio can be edited tightly giving a more polished production. All editing is non-destructive which has both advantages such as being able to 'undo' and disadvantages such as encouraging indecisiveness. The polished vocal production that DAW technology can achieve has shifted consumers' expectations of recorded music. Producers are likely to over-use new technologies, which can have both positive and negative outcomes.

Level	Mark	Descriptor			
	0	No rewardable material.			
Level 1	1-4	 Demonstrates limited knowledge and understanding of production techniques/technology used, some of which may be inaccurate or irrelevant (AO3). Applies limited analysis and deconstruction of production techniques/technology used in the recording with little attempt at chains of reasoning (AO4). Makes limited connections between the production techniques/technology used in the recording and their wider impact (AO4). Makes limited evaluative and/or critical judgements about the wider impact of the production techniques/technology used in the recording (AO4). 			
Level 2	5-8	 Demonstrates knowledge and understanding of production techniques/technology used, which are occasionally relevant but may include some inaccuracies (AO3). Applies some analysis and deconstruction of production techniques/technology used in the recording, with simplistic chains of reasoning (AO4). Makes some connections between the production techniques/technology used in the recording and their wider impact (AO4). Makes some evaluative and/or critical judgements about the wider impact of the production techniques/technology used in the recording (AO4). 			
Level 3	9-12	 Demonstrates clear knowledge and understanding of production techniques/technology used, which are mostly relevant and accurate (AO3). Applies clear analysis and deconstruction of production techniques/technology used in the recording which is mostly detailed, with competent chains of reasoning (AO4). Makes valid connections between the production techniques/technology used in the recording and their wider impact (AO4). Makes clear evaluative and critical judgements about the wider impact of the production techniques/technology used in the recording (AO4). 			
Level 4	13-16	 Demonstrates detailed knowledge and understanding of production techniques/technology used, which are relevant and accurate (AO3) Applies detailed and accurate analysis and deconstruction of production techniques/technology used in the recording, with logical chains of reasoning on occasion (AO4). Makes detailed and valid connections between the production techniques/technology used in the recording and their wider impact (AO4). Makes detailed and valid evaluative and critical judgements about the wider impact of the production techniques/technology used in the recording (AO4). 			

Level	Mark	Descriptor
Level 5	17-20	 Demonstrates sophisticated and accurate knowledge and understanding of production techniques/technology used throughout (AO3). Applies sophisticated and accurate analysis and deconstruction of production techniques/technology used in the recording and logical chains of reasoning throughout
		 (AO4). Makes sophisticated and valid connections between the production techniques/technology used in the recording and their wider impact (AO4). Makes sophisticated and valid evaluative and critical judgements about the wider impact of the production techniques/technology used in the recording (AO4).

This track was produced in 1999. Evaluate the impact that digital audio workstation (DAW) technology has had on the vocal production in this track, and the wider impact DAW technology has had on vocal production since 1999.

(20)

DAW has had a huge impact on the track and &	<u>ve</u>
vocal production is constantly changing in the s In the intro the mid frequencies have been bo	ong.
of being heard over a reciever.	Lion
Backing vocals panned so they're set off the middle	

Examiner comments

This example is level 1. There is some information about the creative use of EQ on the vocal but there is no further information about anything else. Unfortunately this candidate probably ran out of time. It can be seen that had she continued with this standard of writing, including some connections with the wider impact of the technology, she probably would have achieved level 3.

This track was produced in 1999. Evaluate the impact that digital audio workstation (DAW) technology has had on the vocal production in this track, and the wider impact DAW technology has had on vocal production since 1999.

tech

Examiner comments

This example is level 3. There is clear knowledge of sampling, and how telephone effect could be created from a high and low pass filter. However the candidate doesn't go much further in making connections between this song and the wider impact of DAW on modern pop music. Many of the comments, e.g. about reverbs and delays, are too general for further credit. In summary, there is clear understanding of production techniques (AO3). There is clear analysis of production techniques and some links to the wider impact of DAW on music, so the AO4 element exhibits some level 2 attributes.

This track was produced in 1999. Evaluate the impact that digital audio workstation (DAW) technology has had on the vocal production in this track, and the wider impact DAW technology has had on vocal production since 1999.

(20)

I weigh the frache mene producer from culty op Offer instructe noveron for edition has also been used for the creation of Copied Mbo a digital Mid chablih to be curred ande this new

Such as pitch correction / Auto fine and Souples, and it is cogued that this is for better and fer works, as it could be sun thus things this music looses its newtrol human greatify, From 1999 onwends this technoly his been developed the almost ever D and DAW's one now every accessful to any anscien, even in a bedroom per bedroom productions, On Vocal produber specifics the DAW has allowed for limites creatury, with and one easy accomplish for order for all parisions and prode It has made it can to turn a bod/impefect vocal performe who a pitch perfect number pieure Via Strey Ea, conquession and auto tene. Haveur Cols of muyer Studios Still perfer to Overall the impact of the USE analoga equipment as its unique colour (sour is sought after (such as verties), and my integrate the tox of a DAW Such as Logic pro or And Pro Tools with on SSL deste for more oralene Sound on contined with digital constity, Overall the impail of the DAW on the veral production of this from is imperitue, on would not (Total for Question 6 = 20 marks) be the some without it. TOTAL FOR SECTION B = 35 MARKS They is also treve for the impact the DAW has had on the modern music industry, going opportunities to all produces and prosicions aliter to recond music.

Examiner comments

This example is level 5. There are sophisticated descriptions of vocal processing using a DAW, including sampling, EQ, effects and Autotune. He makes evaluations of their impact, for example Autotune, questioning whether the musical influence is detrimental rather than positive. He questions whether DAW has gone too far in making it too easy for a bad vocalist to be corrected. Furthermore, this candidate goes onto discuss how a DAW could be integrated into an analogue studio so that the engineer has the best of both worlds.

In summary, there is sophisticated understanding of production techniques (AO3). There is sophisticated analysis of production techniques with equally sophisticated links to the wider impact of DAW on music (AO4).