

FOR OFFICIAL USE



National
Qualifications
SPECIMEN ONLY

Mark

S851/75/01

Music Technology

Date — Not applicable

Duration — 1 hour



* S 8 5 1 7 5 0 1 *

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Number of seat

Date of birth

Day

Month

Year

Scottish candidate number

Total marks — 40

In this examination you will listen to excerpts of music and answer questions on what you hear.

Where excerpts are played more than once, the number of times each excerpt is played is stated in the question.

Attempt **ALL** questions.

Write your answers clearly in the spaces provided. Additional space for answers is provided at the end of this booklet. If you use this space you must clearly identify the question number you are attempting.

Use **blue** or **black** ink.

Before leaving the examination room you must give this booklet to the Invigilator; if you do not, you may lose all the marks for this paper.



* S 8 5 1 7 5 0 1 0 1 *



Total marks — 40
Attempt ALL questions

Question 1

(a) Listen to this excerpt. Tick (✓) one box to identify the genre/style. 1

- Blues
- Disco
- Punk
- 60s Pop

(b) Listen to another section of the same track. Tick (✓) one box to describe what you hear. 1

- Coda
- Instrumental break
- Accelerando
- Rallentando

(c) Listen to another excerpt. In which decade was this music recorded? Tick (✓) one box. 1

- 1930s
- 1950s
- 1970s
- 1990s



Question 1 (continued)

(d) As you listen to the excerpt:

- (i) tick (✓) **one** box to describe the genre/style of the music, and 1
- (ii) in the space below, give a reason to support your answer. 1

There will be a pause of 20 seconds before the next question starts. Here is the music.

- Blues
- Disco
- Punk
- 60s Pop

Reason _____

(e) In this excerpt, the vocalist has a wide dynamic range which has resulted in audible distortion.

Describe **two** ways you could overcome this problem in a modern recording studio. 2

Here is the music.

You now have one minute to answer the question. A warning tone will sound 30 seconds before the next question starts.

[Turn over



Question 2

- (a) Listen to this excerpt. Identify the prominent effect on the vocal. 1

- Reverb
- Chorus
- Low EQ boost
- Delay

- (b) Listen to an instrumental break and identify the solo instrument. 1

The excerpt is short and will be played twice.

The solo instrument is a/an _____

Here is the excerpt for the first time.

Here is the excerpt for the second time.

- (c) Listen to this excerpt.

Describe in detail how you would capture this performance using a close microphone technique.

- (i) Type of microphone: _____ 1

- (ii) Polar pattern: _____ 1

- (iii) Microphone placement and distance: _____ 1

You now have two minutes to answer the question. A warning tone will sound 30 seconds before the next question starts.



Question 3

(a) Listen to the excerpt. Tick (✓) **one** box to describe what you hear. **1**

- Disco
- Hip hop
- Synth pop
- Rock 'n' roll

(b) Listen to this excerpt again.
Identify **two** production features that are typical of the genre/style. **2**

- 1 _____
- 2 _____

(c) Listen to this excerpt.
Tick (✓) **one** box in COLUMN A to identify the genre and **one** box in COLUMN B to describe the tonality. **2**

COLUMN A

COLUMN B

- | | |
|--|---------------------------------|
| <input type="checkbox"/> Disco | <input type="checkbox"/> Major |
| <input type="checkbox"/> Hip hop | <input type="checkbox"/> Minor |
| <input type="checkbox"/> Synth pop | <input type="checkbox"/> Atonal |
| <input type="checkbox"/> Rock 'n' roll | |

(d) Listen to another track from the same genre. Complete the list of instruments you hear. **1**

- 1 Electronic drum kit
- 2 _____
- 3 Electric guitar

[Turn over



Question 3 (continued)

(e) Listen to that excerpt again. Identify the effect on the electric guitar.

1

Distortion

Delay

Pitch Bend



* S 8 5 1 7 5 0 1 0 6 *

Question 4

(a) Listen to the excerpt.

Write the musical term which describes the bass line, and tick (✓) one box to describe the texture. Here is the music.

(i) Musical term _____ 1

(ii) Texture 1

Homophonic

Polyphonic

Bridge

Ternary

(b) Listen to the following excerpt of music. Tick (✓) two boxes to identify the music/production features present in the excerpt from the five listed below. 2

You will hear the music twice with a pause of 15 seconds between playings and 30 seconds to complete your answer.

You will now have **30 seconds** to read through the question.

Saxophone solo with delay effect panned right

Double tracked broken chord electric guitar part

Strummed acoustic guitar with chorus effect

Scat sung lead vocal panned centre

Electronic drum kit fills

Here is the music for the first time.

Here is the music for the second time.

[Turn over



Question 4 (continued)

- (c) Listen to this excerpt of Synth pop.

Describe **two** key features, either musical or technological, which are typical of this style/genre.

2

1 _____

2 _____

- (d) Listen to this excerpt. The recording includes use of a sampler. Describe **two** main features of this technology.

2

1 _____

2 _____



Question 5

In this question you will hear a version of the song “September” by Earth, Wind and Fire.

You are asked to link the instruments with effects or processes.

Listen to the full excerpt with effects and processes applied.

You will now hear some of the parts separately. Complete the table below using the following list of effects and processes:

- Room reverb
- Low EQ boost
- Chorus
- Delay
- Gated reverb

Each control or effect is used only once.

You now have one minute to read through the question.

Now listen carefully to the following and complete the table as you listen.

Drum kit (dry then wet)

Bass guitar (dry then wet)

Keyboards (dry then wet)

Electric guitar (dry then wet)

Vocals (dry then wet)

Instrument	Effect or process applied to instrument
Drum kit	
Bass guitar	
Keyboards	
Electric guitar	
Vocals	

5

[Turn over



Question 6

In this question an intellectual property case study will be read to you.
Follow the text below. **There will be no music played.**

OBR Records vs PlayIT

The Case: PlayIT, a file sharing network, was set up in 2001, allowing users to share music files online. PlayIT had over 20 million users sharing files worldwide.

OBR Records accused PlayIT of copyright infringement for allowing users to search and download MP3 files from other users' hard drives. OBR filed a lawsuit against PlayIT.

The Outcome: Although PlayIT did not charge its users a fee and MP3 files were not stored on its servers, it was found guilty of copyright infringement.

A judge ordered PlayIT to close its file-sharing network for all copyrighted music files. PlayIT agreed to pay \$23 million to copyright owners from OBR Records.

You now have **five minutes** to answer the questions below.

A warning tone will sound 30 seconds before the next question starts.

- (a) Explain in simple terms why OBR Records had a case against PlayIT. 1

- (b) Explain why intellectual property protection was important in this case. 1

- (c) Tick (✓) **one** box to identify what PlayIT should have done to prevent copyright infringement. 1

- Stored the music files on PlayIT's own server
- Ensured clients' folders did not contain copyrighted music files
- Instructed users to purchase the music legally if they liked it after downloading the files
- Charged a fee for all users



Question 7

- (a) In this question you will hear two versions of the song “See-Line Women”.

For each excerpt you should link an instrument/voice with an effect and a different instrument/voice with panning.

You may use the space provided for Rough notes, but your final answer must be written in the table on the opposite page. Rough notes will not be marked.

There will now be a pause of one minute to allow you to read through the question.

You will hear each excerpt three times with a pause of 15 seconds between each playing.

Here is Excerpt 1 for the first time.

Here is Excerpt 2 for the first time.

Here is Excerpt 1 for the second time.

Here is Excerpt 2 for the second time.

Here is Excerpt 1 for the third time.

Here is Excerpt 2 for the third time.

Rough notes

Rough notes

(Rough notes will not be marked)

[Turn over



Final answer

Excerpt 1	Excerpt 2
Instrument/voice:	Instrument/voice:
Effect:	Effect:
Excerpt 1	Excerpt 2
Instrument/voice:	Instrument/voice:
Panning:	Panning:

4

(b) Listen to part of Excerpt 2 again. Tick (✓) one box to describe what you hear.

1

- An ostinato is present
- An ostinato is not present

[END OF SPECIMEN QUESTION PAPER]



MARKS

DO NOT
WRITE IN
THIS
MARGIN

ADDITIONAL SPACE FOR ANSWERS



* S 8 5 1 7 5 0 1 1 3 *

MARKS

DO NOT
WRITE IN
THIS
MARGIN

ADDITIONAL SPACE FOR ANSWERS



* S 8 5 1 7 5 0 1 1 4 *

National 5 (Specimen) Music Technology Audio Excerpts

Question number		Track title	Performer	Composer	Album title	Start of excerpt	End of excerpt
1	a	I Fought The Law	The Clash	Sonny Curtis	The Essential Clash	0:00	0:39
1	b	I Fought The Law	The Clash	Sonny Curtis	The Essential Clash	0:37	1:21
1	c	I Love Music	The O'Jays	Kenneth Gamble and Leon A Huff	The Ultimate O'Jays	0:15	0:58
1	d	Smokestack Lightnin'	Howlin' Wolf	Howlin' Wolf	The Howlin' Wolf Anthology	0:00	0:56
1	e	(I'm your) Hoochie Choochie Man	Muddy Waters	Muddy Waters	The best of Chess Records	0:00	1:00
2	a	I Got You (I Feel Good)	James Brown	James Brown	Party	0:00	0:31
2	b	I Got You (I Feel Good)	James Brown	James Brown	Party	0:41	0:49
2	c	Three Little Words	Sonny Rollins	Bert Kalmar, Harry Ruby	On Impulse	6:00	6:37
3	a	California Love (Edited for SQA)	2Pac, Dr Dre, Roger Troutman	2Pac	2Pac Greatest Hits	0:44	1:58
3	b	California Love (Edited for SQA)	2Pac, Dr Dre, Roger Troutman	2Pac	2Pac Greatest Hits	0:44	1:58
3	c	To Cut A Long Story Short	Spandau Ballet	Spandau Ballet	Playlist: Electro	0:00	0:47
3	d	Blue Monday	New Order	New Order	Substance	0:59	1:36
3	e	Blue Monday	New Order	New Order	Substance	0:59	1:36

Question number	Track title	Performer	Composer	Album title	Start of excerpt	End of excerpt	
4	a	Trouble	Elvis Presley	Jerry Leiber Mike Stoller	The King	1:30	2:16
	b	Under Pressure - 2011 Remaster	Queen, David Bowie	Queen, David Bowie	Hot Space (2011 Remaster)	0:00	1:20
	c	Sweet Dreams (are made of this)	Eurythmics	Annie Lennox & Dave Stewart	Sweet Dreams (are made of this) Remastered	0s	50s
	d	19	Paul Hardcastle	Paul Hardcastle William Coutourie Jonas McCord	This Is... 1985	12s	1:10
5		September	Funk Nation Edited for SQA	Allee Willis, Maurice White and Al McKay	N/A	N/A	N/A
6		OBR Records vs PlayIT	N/A	Recorded for SQA	N/A	N/A	N/A
7	Excerpt 1	See-Line Woman	Feist	Nina Simone	The Reminder	0:00	1:18
	Excerpt 2	Sealion	Nina Simone	Nina Simone	The Best Of Nina Simone	0:00	1:00



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SPECIMEN ONLY

S851/75/01

Music Technology

Marking Instructions

These marking instructions have been provided to show how SQA would mark this specimen question paper.

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General marking principles for National 5 Music Technology

This information is provided to help you understand the general principles you must apply when marking candidate responses to questions in this paper. These principles must be read in conjunction with the detailed marking instructions, which identify the key features required in candidate responses.

- (a) Marks for each candidate response must always be assigned in line with these general marking principles and the detailed marking instructions for this assessment.
- (b) Marking should always be positive. This means that, for each candidate response, marks are accumulated for the demonstration of relevant skills, knowledge and understanding: they are not deducted from a maximum on the basis of errors or omissions.
- (c) If a specific candidate response does not seem to be covered by either the principles or detailed marking instructions, and you are uncertain how to assess it, you must seek guidance from your Team Leader.
- (d) Where a candidate has provided more than one answer, eg by ticking two boxes instead of one or adding an extra wrong answer, place a cross beside the wrong answer and deduct the mark assigned to the correct answer. If this has happened more than once or several times the mark cannot go below 0, ie into negative marks.
- (e) Do not accept any answer that is not in the marking instructions. Use professional judgement when candidates' responses do not exactly match marking instructions but carry the same meaning.
- (f) Candidates are asked to tick one or two boxes in multiple choice questions. Accept a cross or any other sign which makes the candidate's intentions clear.
- (g) Accept inaccurate spelling of English or Italian terms.

Marking instructions for each question

Question		Expected response	Max mark	Additional guidance
1.	(a)	<input checked="" type="checkbox"/> Punk	1	No other answers accepted here.
	(b)	<input checked="" type="checkbox"/> Instrumental break	1	No other answers accepted here.
	(c)	<input checked="" type="checkbox"/> 1970s	1	No other answers accepted here.
	(d) (i)	<input checked="" type="checkbox"/> Blues	1	No other answers accepted here.
	(ii)	Accept any 1 of the following: <ul style="list-style-type: none"> • Use of Blues scale • 12 bar Blues structure • Glissando • Slide Guitar • 7th chords • Blue notes • Pitch bend • Walking bass • Syncopation • Harmonica • Improvisation • Use of riff 		Also accept sad/soulful lyrics/vocals.
	(e)	Accept any two of the following: <ul style="list-style-type: none"> • Insert a compressor/limiter into the vocal chain or use a compressor or use a limiter. • Move the microphone. • Turn the gain down. • Move the performer further away from the microphone. 	2	
2.	(a)	<input checked="" type="checkbox"/> Reverb	1	No other answers accepted here.
	(b)	Saxophone or sax or alto sax or alto saxophone	1	No other answers accepted here.
	(c) (i)	Large diaphragm condenser or condenser mic or small diaphragm condenser	1	No other answers accepted here.
	(ii)	Cardioid or Hyper cardioid	1	No other answers accepted here.
	(iii)	Pointed above the bell or pointed into the bell or pointed at body of the instrument. A range of distance from 12 inches to 4 feet is acceptable.	1	

Question			Expected response	Max mark	Additional guidance				
3.	(a)		<input checked="" type="checkbox"/> Hip hop	1	No other answers accepted here.				
	(b)		<ul style="list-style-type: none"> • Use of rap/spoken word poetry • Double tracking/stressing certain words for emphasis • Repeated drum loops/loops/hooks • Drums and bass heavy mixes • Melodic chorus section • Call and response with backing vocals • Electronic beats/drum kit • Use of samplers and synthesisers 	2	Any two of these are acceptable.				
	(c)		<table border="1"> <tr> <td>COLUMN A</td> <td>COLUMN B</td> </tr> <tr> <td><input checked="" type="checkbox"/> Synth pop</td> <td><input checked="" type="checkbox"/> Minor</td> </tr> </table>	COLUMN A	COLUMN B	<input checked="" type="checkbox"/> Synth pop	<input checked="" type="checkbox"/> Minor	2	No other answers accepted here.
COLUMN A	COLUMN B								
<input checked="" type="checkbox"/> Synth pop	<input checked="" type="checkbox"/> Minor								
	(d)		Synthesiser or synth bass	1	No other answers accepted here.				
	(e)		<input checked="" type="checkbox"/> Delay	1	No other answers accepted here.				
4.	(a)	(i)	Walking bass	1	No other answers accepted here.				
		(ii)	<input checked="" type="checkbox"/> Polyphonic	1	No other answers accepted here.				
	(b)		<input checked="" type="checkbox"/> Double tracked broken chord electric guitar part <input checked="" type="checkbox"/> Scat sung lead vocal panned centre	2	No other answers accepted here. No other answers accepted here.				
	(c)		Any two answers are acceptable. <ul style="list-style-type: none"> • Drum machine • Ostinato or riff • Repeated loops • Bass synth • Synthesiser • Sequencer 	2	Accept electric drum kit or electronic drum. Drums on its own is not an acceptable answer. Virtual instruments are not accepted. No other answers accepted.				

Question		Expected response	Max mark	Additional guidance												
	(d)	<p>Accept any two of the following:</p> <ul style="list-style-type: none"> • Electronically/digitally records/captures a sound. • The sample can be manipulated/edited to produce a new sound. • Samples can be pitch shifted (so that they can be played over a scale.) • Samples can be triggered using a keyboard/DAW/MIDI. 	2	<p>Also accept a new sound can be created using processes/filters/envelopes.</p> <p>Accept pitch shifted on its own.</p> <p>Also accept specific features such as - filters/resonant filters and envelopes (ADSR).</p>												
5.		<table border="1"> <thead> <tr> <th>Mix element</th> <th>Control or effect</th> </tr> </thead> <tbody> <tr> <td>Drum kit</td> <td>Gated reverb</td> </tr> <tr> <td>Bass guitar</td> <td>Low EQ boost</td> </tr> <tr> <td>Keyboards</td> <td>Chorus</td> </tr> <tr> <td>Electric guitar</td> <td>Room reverb</td> </tr> <tr> <td>Vocals</td> <td>Delay</td> </tr> </tbody> </table>	Mix element	Control or effect	Drum kit	Gated reverb	Bass guitar	Low EQ boost	Keyboards	Chorus	Electric guitar	Room reverb	Vocals	Delay	5	<p>One mark for each correct control or effect.</p> <p>No other answers accepted here.</p>
Mix element	Control or effect															
Drum kit	Gated reverb															
Bass guitar	Low EQ boost															
Keyboards	Chorus															
Electric guitar	Room reverb															
Vocals	Delay															
6.	(a)	PlayIT allowed free file sharing without permission from the copyright holders.	1	Instead of copyright holders also accept artists or companies or record labels.												
	(b)	It is important so that artists can protect their own work and prevent other artists from sharing it with others without permission.	1	Also accept any answer which infers file sharing without the copyright holders' permission.												
	(c)	<input checked="" type="checkbox"/> Ensure client's folders did not contain copyrighted music files.	1	No other answers accepted here.												

Question		Expected response			Max mark	Additional guidance																																		
7.	(a)		<table border="1"> <thead> <tr> <th>Element</th> <th>Excerpt 1</th> <th>Excerpt 2</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Effects</td> <td>Drums – reverb</td> <td>Lead vocal – reverb</td> </tr> <tr> <td>Lead vocal – reverb</td> <td>Electric guitar reverb</td> </tr> <tr> <td>Backing vocals – reverb</td> <td>Synthesiser – reverb</td> </tr> <tr> <td>Handclaps – reverb</td> <td>Backing vocals – reverb</td> </tr> <tr> <td>Flute – reverb (1 mark)</td> <td>(1 mark)</td> </tr> <tr> <td rowspan="10">Panning</td> <td>Flute – left</td> <td>Synthesiser – left</td> </tr> <tr> <td>Hi-hat – right</td> <td>Backing vocals – left</td> </tr> <tr> <td>Drum – left</td> <td>Backing vocals – right</td> </tr> <tr> <td>Lead vocal – centre</td> <td>Handclaps – centre</td> </tr> <tr> <td>Backing vocals – left</td> <td>Electric guitar – right</td> </tr> <tr> <td>Backing vocals – right</td> <td>Shaker – right</td> </tr> <tr> <td>Handclaps – left</td> <td>Lead vocal – centre</td> </tr> <tr> <td>Handclaps – right (1 mark)</td> <td>Bass guitar – centre</td> </tr> <tr> <td></td> <td>Drum kit – centre</td> </tr> <tr> <td></td> <td>Claves – right (1 mark)</td> </tr> </tbody> </table>	Element	Excerpt 1	Excerpt 2	Effects	Drums – reverb	Lead vocal – reverb	Lead vocal – reverb	Electric guitar reverb	Backing vocals – reverb	Synthesiser – reverb	Handclaps – reverb	Backing vocals – reverb	Flute – reverb (1 mark)	(1 mark)	Panning	Flute – left	Synthesiser – left	Hi-hat – right	Backing vocals – left	Drum – left	Backing vocals – right	Lead vocal – centre	Handclaps – centre	Backing vocals – left	Electric guitar – right	Backing vocals – right	Shaker – right	Handclaps – left	Lead vocal – centre	Handclaps – right (1 mark)	Bass guitar – centre		Drum kit – centre		Claves – right (1 mark)	4	<p>Excerpt 1</p> <p>Also accept simple plate reverb.</p> <p>Excerpt 2</p> <p>Candidates must specify Electric guitar. Guitar on its own is not accepted.</p> <p>Drums is not an acceptable answer. Candidates must specify drum kit.</p> <p>Both Excerpts</p> <p>Candidate must specify lead or backing vocals. Vocals on its own is not accepted.</p>
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		Claves – right (1 mark)																																						
	(b)	An ostinato is present			1	No other answers accepted here.																																		

[END OF SPECIMEN MARKING INSTRUCTIONS]