

FOR OFFICIAL USE



National  
Qualifications  
2018

Mark

**X851/75/01**

**Music Technology**

THURSDAY, 10 MAY

11:00 AM – 12:00 NOON



\* X 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.



\* X 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 decade.

1

1930s

1950s

1970s

1990s

(b) Listen to the excerpt again. Name the genre/style.

1

\_\_\_\_\_

(c) Listen to this excerpt. Tick (✓) one box to identify what you hear.

1

Country

Pedal

Arco

Walking bass



\* X 8 5 1 7 5 0 1 0 2 \*

## Question 1 (continued)

(d) As you listen to the excerpt:

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

1

1

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

Here is the music.

- Swing
- Dance
- Celtic rock
- Punk

Reason: \_\_\_\_\_

[Turn over



\* X 8 5 1 7 5 0 1 0 3 \*

Question 2

- (a) Listen to this excerpt. Tick (✓) **one** box to identify the prominent effect on the guitar riff which is panned left. The excerpt will be played twice. 1

Here is the music for the first time.  
Here is the music for the second time.

- Distortion
- Delay
- Reverb
- Wah wah

- (b) Listen to this excerpt. Tick (✓) **one** box to identify the melodic feature played on the electric guitar. The excerpt will be played twice. 1

Here is the music for the first time.  
Here is the music for the second time.

- Inverted pedal
- Modulation
- Atonal
- Imitation

- (c) Listen to this excerpt of Disco. 2  
Describe **two** key features either musical or technological which are typical of this genre/style.

1 \_\_\_\_\_  
\_\_\_\_\_

2 \_\_\_\_\_  
\_\_\_\_\_



Question 2 (continued)

(d) Listen to this excerpt.

Describe how to record a **live performance** of an electric guitar being played through a guitar amp.

You should specify the microphone type, polar pattern and placement.

(i) Type of microphone: \_\_\_\_\_ 1

\_\_\_\_\_

(ii) Polar pattern: \_\_\_\_\_ 1

\_\_\_\_\_

(iii) Microphone placement: \_\_\_\_\_ 1

\_\_\_\_\_

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

[Turn over



Question 3

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

- Disco
- Hip hop
- 60s pop
- Electronica

(b) Listen to another excerpt in the same genre/style.  
 Identify **two** production features used in this recording that are typical of this genre/style. 2

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_

(c) Listen to this excerpt.  
 Tick (✓) **one** box in COLUMN A to identify the main section heard during the excerpt and **one** box in COLUMN B to describe the prominent playing technique heard on the piano. The music will be played twice. 2

Here is the excerpt for the first time.  
 Here is the excerpt for the second time.

COLUMN A

- Verse
- Chorus
- Instrumental break
- Coda

COLUMN B

- Glissando
- Pitch bend
- Modulation

(d) Listen to another excerpt. Identify the prominent solo instrument. 1

\_\_\_\_\_

(e) Listen to this excerpt. Identify the type of reverb used on the drum kit. 1

\_\_\_\_\_



Question 4

(a) Listen to this excerpt. Identify the tonality and time signature.

(i) Tonality: \_\_\_\_\_.

1

(ii) Time signature tick (✓) **one** box:

1

3  
 4

4  
 4

6  
 8

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

2

You will hear the music twice with a pause of 15 seconds between playings.

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

Here is the music for the first time.

Here is the music for the second time.

- Bass guitar with envelope filter
- Syncopated brass ostinato
- Repeated pedal note in bass guitar part
- Backing vocals in harmony
- Electric guitar with chorus effect

You now have 30 seconds to complete your answer.

[Turn over



Question 4 (continued)

- (c) Listen to this excerpt.

The vocal track has been recorded using a **cardioid** polar pattern.  
Give **two** reasons for selecting this polar pattern.

2

1 \_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

You now have **one** minute to complete your answer.

- (d) Listen to this excerpt in which feedback is heard. Describe **two** ways to prevent feedback. This excerpt will be played twice.

2

Here is the excerpt for the first time.  
Here is the excerpt for the second time.

1 \_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

You now have **one** minute to complete your answer.





**Question 5**

In this question you will hear a version of ‘Wouldn’t it be Nice’ by the Beach Boys.

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

Listen to the full excerpt with controls, effects and processes applied.

You will now hear each instrument separately. Complete the table below using the following list of controls, effects and processes:

- Distortion
- Compression
- Delay
- Reverb
- Chorus

Each control, effect or process 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.

Piano (dry then wet)

Harp (dry then wet)

Horn section (dry then wet)

Bass guitar (dry then wet)

Drum kit (dry then wet)

Instrument	Control, effect or process applied to instrument
Piano	
Harp	
Horn section	
Bass guitar	
Drum kit	

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.**

**‘Always, Forever’ by Tom Gordon (1989) vs. ‘Everything I Want’ by Jamie Brogan (2004)**

**The Case:** A British singer, Jamie Brogan, had a successful chart topping single, ‘*Everything I Want.*’ The chorus of the song was found to be almost identical to the chorus of the 1989 song, ‘*Always, Forever*’ by Tom Gordon.

The writer of ‘*Everything I Want*’ claimed not to be familiar with ‘*Always, Forever*’. When it was brought to their attention they acknowledged the similarities between the two songs.

**The Outcome:** The writers of ‘*Everything I Want*’ stated that the likeness between the two tracks was totally coincidental and not deliberate. They also acknowledged the similarities to the chorus melodies.

They have now credited Tom Gordon as a co-writer on the song and he will receive royalties. The case was settled out of court to the satisfaction of both parties.

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 Tom Gordon had a case against Jamie Brogan. 1

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- (b) Why is intellectual property protection important? 1

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## Question 6 (continued)

- (c) What was offered to Tom Gordon to prevent this case from going to court?  
Tick (✓) one box.

1

- Writing credits and a settlement fee
- Public apology and royalties
- Writing credits and royalties
- Removal of *'Everything I Want'* from all albums

[Turn over



\* X 8 5 1 7 5 0 1 1 1 \*

Question 7

(a) In this question you will hear two excerpts from the same genre/style.

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*

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(Rough notes will not be marked)

Final answer

<b>Excerpt 1</b>	<b>Excerpt 2</b>
Instrument/voice:	Instrument/voice:
Effect:	Effect:
<b>Excerpt 1</b>	<b>Excerpt 2</b>
Instrument/voice:	Instrument/voice:
Panning:	Panning:

4

(b) Listen to the bass guitar in this excerpt. Tick (✓) one box to describe what you hear.

1

- An anacrusis is present
- An anacrusis is not present

[END OF QUESTION PAPER]



MARKS

DO NOT  
WRITE IN  
THIS  
MARGIN

ADDITIONAL SPACE FOR ANSWERS



\* X 8 5 1 7 5 0 1 1 4 \*

MARKS

DO NOT  
WRITE IN  
THIS  
MARGIN

ADDITIONAL SPACE FOR ANSWERS



\* X 8 5 1 7 5 0 1 1 5 \*

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DO NOT WRITE ON THIS PAGE

