

FOR OFFICIAL USE



National
Qualifications
2019

Mark

X851/75/01

Music Technology

TUESDAY, 30 APRIL

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. In which decade was this music recorded?
Tick (✓) **one** box.

1

1930s

1950s

1970s

1990s

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

1

Disco

Punk

60s Pop

Rock 'n' roll

- (c) Listen to that excerpt again. Describe **two** key features which are typical of the genre/style.

2

1 _____

2 _____



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
- Ragtime
- Jazz
- Rock 'n' roll

Reason _____

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

- Cluster
- Ritardando
- Modulation
- Rolls

[Turn over



Question 1 (continued)

(f) Listen to this excerpt.

Tick (✓) **one** box in COLUMN A to identify the style and **one** box in COLUMN B to describe the texture of the voices. The excerpt is short and will be played **twice**.

2

Here is the music for the first time.

Here is the music for the second time.

COLUMN A

Rock 'n' Roll

Musical

Ragtime

60s Pop

COLUMN B

Homophonic

Polyphonic



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

Question 2

- (a) Listen to this excerpt. Tick (✓) **one** box to identify the panning of the harp.

1

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

Left

Centre

Right

- (b) Listen to this excerpt. Name the Italian term which describes the change in dynamics.

1

Italian term _____

- (c) Listen to this excerpt. Tick (✓) **one** box to correctly identify the prominent effect/process added to the electric guitar track. You will hear the excerpt **twice**.

1

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

Distortion

Chorus

Panning

Low EQ

[Turn over



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

Question 3

- (a) Listen to the excerpt and identify the genre/style of the music.

1

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

2

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

1

2

- (c) Listen to this excerpt. The recording includes virtual instruments. Describe **two** main features of using virtual instruments.

2

1

2

- (d) Listen to a different excerpt. Tick (✓) **one** box to correctly identify the effect/process added to the track.

1

LFO

Delay

Gated reverb

Noise gate



* X 8 5 1 7 5 0 1 0 6 *

Question 4

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

1

Country

Scottish

Swing

Ragtime

- (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.

The fiddle plays an inverted pedal

The piano plays a vamp

Delay has been applied to the mix

The time signature is $\frac{4}{4}$

The fiddle track has been quantised

Here is the music for the first time.

Here is the music for the second time.

You now have **30 seconds** to complete your answer.

[Turn over



Question 4 (continued)

(c) Listen to this excerpt.

Describe how to record a violin with a microphone in a studio.

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

(i) Microphone type: _____ 1

(ii) Polar pattern: _____ 1

(iii) Microphone placement: _____ 1

You now have **2 minutes** to answer the question. A warning tone will sound **30 seconds** before the next question starts.

(d) Listen to this excerpt.

Tick (✓) **one** box in COLUMN A to identify the time signature and **one** box in COLUMN B to describe the rhythm/tempo. The excerpt will be played **twice**.

2

Here is the music for the first time.

Here is the music for the second time.

COLUMN A

2
 4

3
 4

6
 8

COLUMN B

Broken chord

Syncopated

Walking bass



Question 4 (continued)

- (e) Listen to a continuation of the same piece. Identify the tonality. You will hear the excerpt **twice**.

1

Here is the music for the first time.

Here is the music for the second time.

[Turn over



* X 8 5 1 7 5 0 1 0 9 *

Question 5

In this question, you will hear the trailer for a movie.

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.

- Delay
- Reverb
- Multi-effects processor
- EQ
- Panning

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.

Drum loop (dry then wet)

Strings (dry then wet)

Female voice (dry then wet)

Phone ring (dry then wet)

Male voice (dry then wet)

Instrument	Control, effect or process applied to instrument
Drum loop	
Strings	
Female voice	
Phone ring	
Male voice	

5



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.**

‘Susie’ by Calum Trolly (2014) vs ‘Sun’s Out’ by The Pigeons (2016)

The Case: Musically, the chorus from ‘Sun’s Out’ by the band The Pigeons had a strong resemblance to the 2014 cult classic ‘Susie’ composed by Calum Trolly.

Big Tunes Music and Sound Corporation, who own the rights to ‘Susie’, filed a plagiarism suit against the band for allegedly breaking copyright law. The trial had its court hearing on the 18th February 2018.

The Outcome: The judge ruled that plagiarism was indeed evident due to the clear similarity in the melodic line of both choruses. The band were ordered to pay Big Tunes Music and Sound Corporation an undisclosed fee in compensation.

You now have **five minutes** to answer the questions below. A warning tone will sound **30 seconds** before the next question starts.

- (a) What type of intellectual property protection is in breach? Tick (✓) **one** box to identify the intellectual property. 1

- Patent
- Copyright
- Trade marks
- Design right

- (b) Explain in simple terms why Big Tunes Music and Sound Corporation had a case against The Pigeons. 1

- (c) Explain in simple terms the need to protect intellectual property. 1



Question 7

- (a) In this question you will hear two excerpts by the same artist.

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)

Question 7 (continued)

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 the start of excerpt 2 again and identify the tonality.

1

Tonality	
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[END OF QUESTION PAPER]



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

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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