



FOR OFFICIAL USE

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National
Qualifications
2019

Mark

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X851/76/01**Music Technology**

TUESDAY, 30 APRIL

9:00 AM – 10:00 AM



Fill in these boxes and read what is printed below.

Full name of centre

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Town

--

Forename(s)

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Surname

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Number of seat

--

Date of birth

Day

--	--

Month

--	--

Year

--	--

Scottish candidate number

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Total marks — 40

Attempt ALL questions.

Write your answers clearly in the spaces provided in this booklet. 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.

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

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

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

You are not allowed to leave the examination room until the end of the test.

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.



Question 1

- (a) Listen to this excerpt and identify **two** terms from the list below which describe what you hear. The excerpt will be played **twice**.

2

Reggae	Counter melody
Ritardando	World music
Jazz funk	

Here is the music for the first time.

Here is the music for the second time.

- (b) Listen to the excerpt again. Describe **two** music features present which are typical of the genre/style.

2



Question 2

- (a) Listen to this excerpt and identify the genre. Give **two** reasons for your answer, one referring to a **music** feature, and the other to a **technology** feature. The excerpt will be played **twice**.

3

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

Genre _____

Music feature _____

Technology feature _____

- (b) Listen to this excerpt and identify **one** term from the list below which describes what you hear. The excerpt will be played **twice**.

1

Modulation	Cross rhythms
Inverted pedal	Portamento

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

[Turn over



* X 8 5 1 7 6 0 1 0 3 *

Question 3

In this question, you will hear **two** recordings. For each one, you must identify the fault in the recording and describe in detail how to correct it.

- (a) Listen to this excerpt of a vocal recording. Identify the **recording** fault, and describe in detail how to correct it. You will hear this excerpt **twice**.

Here is the excerpt for the first time.

Here is the excerpt for the second time.

(i) Fault _____ 1

(ii) Correction _____ 1

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

- (b) Listen to this excerpt and identify the fault in the MIDI drum track, and describe in detail how to correct it. You will hear this excerpt **twice**.

Here is the excerpt for the first time.

Here is the excerpt for the second time.

(i) Fault _____ 1

(ii) Correction _____ 1

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



* X 8 5 1 7 6 0 1 0 4 *

Question 4

- (a) You will hear two versions of a piano track.

The **first** version has no effects or processes.

The **second** version has reverb applied.

Listen to **version 1** with no effects or processes.

Listen to **version 2**. Identify the reverb settings used (1, 2 or 3) and justify your answer.

1

0 10
PRE DELAY

0 10
TIME

0 10
MIX

0 10
BASS

0 10
TREBLE

2

0 10
PRE DELAY

0 10
TIME

0 10
MIX

0 10
BASS

0 10
TREBLE

3

0 10
PRE DELAY

0 10
TIME

0 10
MIX

0 10
BASS

0 10
TREBLE

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

Reverb settings applied (1, 2 or 3)

Justification _____

1

- (b) Listen to another excerpt. Identify the guitar playing technique. The excerpt is short and will be played **twice**.

1

Here is the excerpt for the first time.

Here is the excerpt for the second time.



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

Question 5

This question is about intellectual property issues.

You will hear **two** excerpts of music.

The first excerpt 'He's So Fine' was composed by Ronnie Mack for the group The Chiffons in 1962.

The second excerpt 'My Sweet Lord' was composed by George Harrison in 1970.

Musically there is a strong resemblance between 'My Sweet Lord' and 'He's So Fine'. Ronnie Mack's publisher, Bright Tunes Music Corporation, filed an intellectual property suit in February 1971 in the same year that saw 'My Sweet Lord' become the largest selling single in the UK. The court hearing went to trial in 1976.

After the trial, the judge ruled that Harrison was guilty of '*subconscious plagiarism*' and Harrison was ordered to pay Bright Tunes Music Corporation \$1,599,987.

You now have **one minute** to read through the question.

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

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.

You now have **2 minutes** to complete your answers for parts (a), (b) and (c).

- (a) Which feature of the music in excerpt 2 could be a breach of intellectual property? 1

- (b) Describe how intellectual property protection benefited Ronnie Mack. 1

- (c) Give **one** example of how George Harrison could have avoided a breach of intellectual property rights. 1



Question 6

This question features music from different genres/styles.

- (a) Listen to this excerpt and identify **two** terms from the list below which describe what you hear. The excerpt will be played **twice**.

2

Jazz funk	World music
Sample	R'n'B
Whole tone scale	

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

- (b) Listen to this excerpt of an orchestral recording. Describe in detail a suitable **stereo** mic'ing technique you would use to achieve a similar recording. Justify your choice.

3

You now have **2 minutes** to complete your answer.

- (c) Listen to this excerpt and write the concept which describes the texture of the **backing vocals**. The excerpt will be played **twice**.

1

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



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

Question 7

This question relates to 20th and 21st century genres/styles and innovators in technological developments.

(a) Choose a genre from the list and answer the question below.

Tick (✓) **one** box to indicate your choice.

- Hip hop ☐
- Jazz funk ☐
- Reggae ☐

Give a detailed description of your chosen genre.

Your description must make reference to a **key innovator**, a **key attribute** and a **key technology**.

3

You now have **3 minutes** to answer the question.

There will be no music played.

A warning tone will sound **30 seconds** before part (b).



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

Question 7 (continued)

(b) Choose a technology from the list and answer the question below.

Tick (✓) **one** box to indicate your choice.

- Wax cylinder ☐
- Synthesiser ☐
- Microphone ☐

Name a **key innovator** of your chosen technology and describe **one** example of their **influence** on the development of this technology.

2

You now have **3 minutes** to answer the question.

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

[Turn over



Question 8

Listen to this excerpt of an engineer mixing an audio recording.

A guide to the audio is laid out below. You will see that further information is required and must be inserted in the spaces.

There will now be a pause of **40 seconds** to allow you to read through the question.

The music will be played **three** times with a pause of **15 seconds** between playings.

In each playing, a voice will help guide you through the numbered sections.

Here is the music for the first time.

Here is the music for the second time.

Here is the music for the third time.

Section	Description	
1.	A _____ EQ is used to find and remove a harsh frequency in the guitar track.	1
2.	The synth strings play a/an _____ .	1
3.	The control and effect on the synth lead track are _____ and _____.	2
4.	The _____ control is adjusted on the synth.	1
5.	The drum kit _____ is solo'd to allow the reverb to be adjusted.	1
6.	The (Italian) term to describe the change in tempo is _____ .	1



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

Question 9

Listen to this excerpt of music.

You must identify **five** music/production features present in the music from the ten listed below.

You will hear the music **three** times with a pause of **15 seconds** between each playing.

You now have **one minute** to read through the question.

Clarinet plays a solo	Flanger effect on electric guitar
Time changes	Irregular time signatures
Harmoniser on vocals	Oboe plays a solo
Tremolo effect on electric guitar	Portamento on synth strings
Tambourine panned right	Arpeggios/broken chords on electric guitar

Give the **five** features on the lines below.

5

Here is the music for the first time.

Here is the music for the second time.

Here is the music for the third time.

You now have **2 minutes** to complete your answer.

[END OF QUESTION PAPER]



MARKS

DO NOT
WRITE IN
THIS
MARGIN

ADDITIONAL SPACE FOR ANSWERS



* X 8 5 1 7 6 0 1 1 2 *

MARKS

DO NOT
WRITE IN
THIS
MARGIN

ADDITIONAL SPACE FOR ANSWERS



* X 8 5 1 7 6 0 1 1 3 *

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