FOR OFFICIAL USE

National
Qualifications
2021 ASSESSMENT RESOURCE

Mark

# X851/76/01 Music Technology

Duration — 1 hour

*X8517601*

**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**

Attempt **ALL** questions.

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.

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.

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.

SQA ©

*X8517601 01*

**Total Marks — 40**

**Attempt ALL questions**

**Question 1**

Listen to this excerpt and identify **two** terms from the list below which describe what you hear. The excerpt will be played **twice**. **2**

| | |
|---|---|
| R'n'B | New wave |
| Reggae | Chromatic |
| Cluster | |

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

**Question 2**

(a) Listen to this excerpt and identify the genre. Give **two** reasons for your answer referring to two **music** features. 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 1 _____

Music feature 2 _____

(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**

| | |
|---|---|
| Inverted pedal | Time changes |
| Staccato | Glissando |

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

_____

(c) Listen to this excerpt which has been heavily processed with EQ.
Name **two** features of a parametric EQ. **2**

_____

_____

**[Turn over**

**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 mic'd acoustic guitar. 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 of a vocal track. 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.

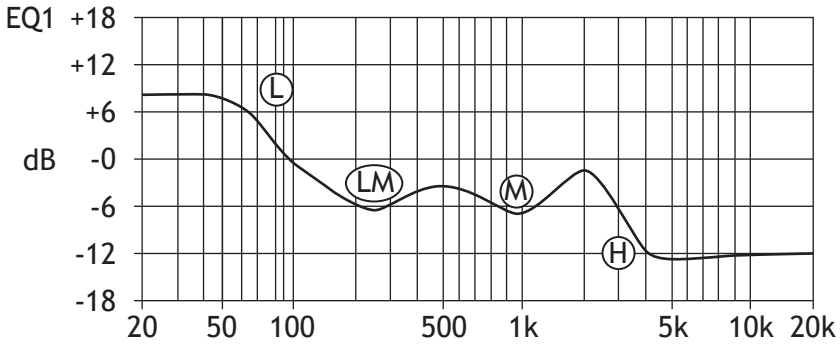
**Question 4**

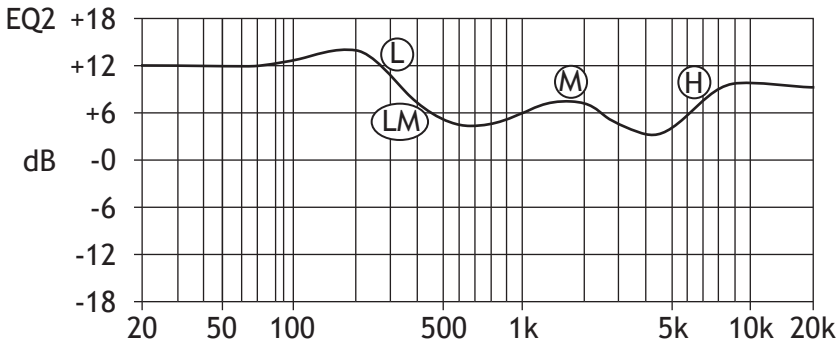
(a) You will hear **two** versions of an electric guitar track.

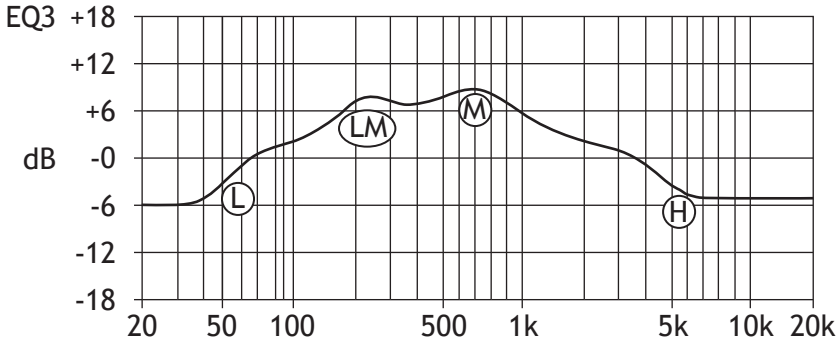
The **first** version has no effects or processes.
The **second** version has a 4 band parametric EQ applied.

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

Listen to **version 2**. Identify which parametric EQ settings shown below (1, 2 or 3) have been applied and justify your answer. **1**




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

EQ applied (1, 2 or 3) ☐

Justification _____

_____

_____

**Question 4 (continued)**

(b) Listen to another excerpt. Distortion is present on the electric guitar. Identify the other prominent effect on the electric guitar solo. The excerpt will be played **twice**. **1**

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

**[Turn over for next question**

**DO NOT WRITE ON THIS PAGE**

**Question 5**

This question is about intellectual property issues.

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

The first excerpt was released by Cher in 1998 and the rights to the song are owned by Xenomania Music and Rive Droite Music.

The second excerpt was created in 2018 and shares features of the Cher track.

You may use the space provided for rough notes, but your final answer must be written on the lines below. Rough notes will not be marked.

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.

**Rough notes**

Rough notes

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

(a) Identify **two** technological features which are present in both excerpts. **2**

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

MARKS | DO NOT WRITE IN THIS MARGIN

**Question 5 (continued)**

(c) Describe the role of PPL PRS Ltd in administering intellectual property issues. **1**

_____

_____

_____

**[Turn over**

**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**

| | |
|---|---|
| Tenor | Walking bass |
| Broken chords | Baritone |
| Irregular time signature | |

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

(b) Listen to this excerpt and focus on the backing vocals. Describe in detail how you would use **a single microphone** to achieve a similar recording. Justify your answer. The excerpt will be played **twice**. **3**

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

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

(c) Listen to this excerpt and write the concept which describes the change in tempo. The excerpt will be played **twice**. **1**

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

MARKS | DO NOT WRITE IN THIS MARGIN

**Question 7**

This question relates to technological developments.

Choose a technological development from the list and answer the questions below.

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

- Electronic drum kit ☐
- Guitar pickups ☐
- Bass guitar ☐

You now have **5 minutes** to answer the questions below.

No music will be played.

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

(a) Describe in detail how your chosen technology **developed**. **2**

(b) Describe in detail the **key features** of your chosen technology. **2**

**Question 8**

In this question you will hear two synthesisers.

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.** | The process applied to the start of the excerpt is a/an _____ . | **1** |
| **2.** | This excerpt has a/an _____ time signature and the reverb _____ control has been adjusted. | **2** |
| **3.** | The new effect added is _____ . | **1** |
| **4.** | The _____ control is adjusted on the synth. | **1** |
| **5.** | A synth is _____ from left to right. | **1** |
| **6.** | The process applied to the end of the excerpt is a/an _____ . | **1** |

**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.

| | |
|---|---|
| Electric guitar pitch bend | Bass guitar with phaser effect |
| Portamento synth with flanger effect | Homophonic backing vocals |
| Electric piano riff panned right | Portamento synth with tremolo effect |
| Electric guitar plays harmonics | Lead vocal with delay effect |
| Polyphonic backing vocals | Electric guitar ascending riff |

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

MARKS | DO NOT WRITE IN THIS MARGIN

## ADDITIONAL SPACE FOR ANSWERS

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