FOR OFFICIAL USE

National Qualifications 2023 MODIFIED

Mark

X851/76/01 Music Technology

FRIDAY, 28 APRIL

1:00 PM – 1:45 PM

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 — 32

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 ©

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Total marks — 32

Attempt ALL questions

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**

Jazz funk	Indie
Cluster	Harmonics
Cross rhythms	

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

(b) Listen to another excerpt from the same genre. Describe **two** music or technology features present which are typical of the genre/style. **2**

MARKS | DO NOT WRITE IN THIS MARGIN

Question 2

(a) Listen to this excerpt and identify the genre. Give **two** reasons for your answer, referring to **technology** concepts. The excerpt will be played **twice**. **3**

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

Genre _____

Technology concepts _____

_____

(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**

Time changes	Cross rhythms
Samples	Vocoder

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

_____

[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 multi-track. Identify the **processing** 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. Identify the fault with the MIDI kick drum and describe in detail how to correct it. You will hear the 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.

MARKS | DO NOT WRITE IN THIS MARGIN

Question 4

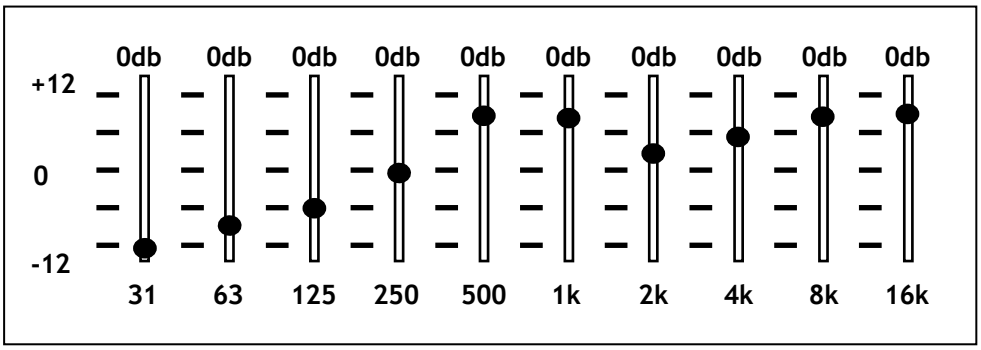
(a) You will hear **two** versions of a bass guitar.

The **first** version has no effects or processes.
The **second** version has EQ applied.

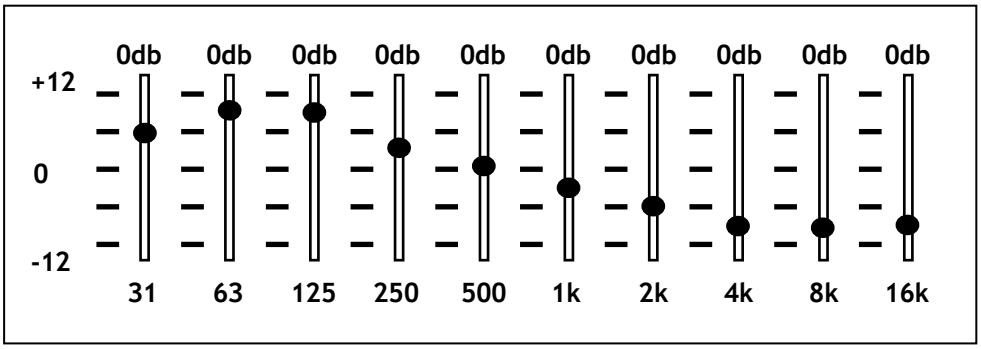
Listen to **version 1** with no effects or processes.

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

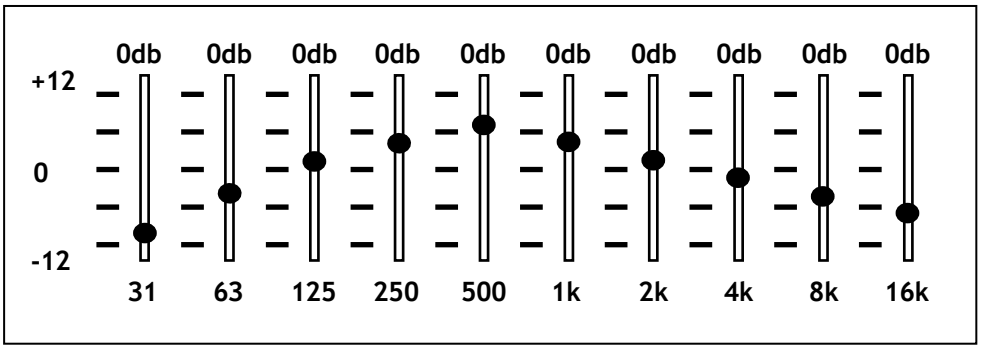
EQ 1



EQ 2



EQ 3



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

EQ settings applied (1, 2 or 3) ☐

Justification _____

_____

_____

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Question 4 (continued)

(b) Listen to this excerpt. Identify the effect on the **first** electric guitar. 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.

Question 5

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**

Cluster	Portamento
Walking bass	Flanger
Wah-wah	

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

(b) Listen to this excerpt of bagpipes and describe in detail a **stereo** mic'ing technique you would use to capture this performance. Justify your choice. **3**

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

(c) Listen to this excerpt. Identify the type of scale featured in the bass guitar sequence. **1**

[Turn over

Question 6

Listen to this excerpt of an engineer working on mix elements.

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

Section	Description	
1.	The engineer adjusts the frequency control on a/an _____ filter.	**1**
2.	Two of the time domain effects on the electric guitar are _____ and _____.	**2**
3.	The engineer solos the high tom and adjusts the _____ control on a noise gate.	**1**
4.	The engineer now adjusts the _____ control on the vocal delay.	**1**
5.	The engineer now adds a _____ to the lead vocal.	**1**
6.	The texture of the vocals in the chorus is _____.	**1**

Question 7

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.

Acoustic guitar plays fingerpicked riff	Filter sweep on bass synth
Tenor vocal sings harmony	Strummed acoustic guitar panned right
Soprano vocal with hall reverb	Rolls played on marimba
Electric piano with tremolo effect	Cymbal rolls and single hits
Arco strings	Pitch bend 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 **two 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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