



FOR OFFICIAL USE

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National  
Qualifications  
2022 MODIFIED

Mark

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**X851/76/01****Music Technology**

WEDNESDAY, 4 MAY

1:00 PM – 1:45 PM



Fill in these boxes and read what is printed below.

Full name of centre

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Town

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Forename(s)

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Surname

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Number of seat

--

Date of birth

Day

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Month

--	--

Year

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Scottish candidate number

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**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.



(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

## New wave

## Punk

Cluster

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

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(b) Listen to a different excerpt from the same genre and describe **two** features present which are typical of the genre/style.

2

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Question 2

- (a) Listen to this excerpt and identify the genre. Give **two** reasons for your answer, referring to **two music** 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 \_\_\_\_\_

Music concept 1 \_\_\_\_\_

Music concept 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

Irregular time signatures

Pitch bend

Coda

Inverted pedal

Here is the excerpt for the first time.

Here is the excerpt 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. Identify the 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 **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 a drum kit recording.

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

The **second** version has compression applied.

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

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

1

1	<p>-48db 0db THRESHOLD</p> <p>1:1 100:1 RATIO</p> <p>KNEE</p> <p>RELEASE</p>
2	<p>-48db 0db THRESHOLD</p> <p>1:1 100:1 RATIO</p> <p>KNEE</p> <p>RELEASE</p>
3	<p>-48db 0db THRESHOLD</p> <p>1:1 100:1 RATIO</p> <p>KNEE</p> <p>RELEASE</p>

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

Compressor settings applied (1, 2 or 3) ☐

Justification \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

[Turn over



Question 4 (continued)

- (b) Listen to another excerpt. Identify the prominent effect on the acoustic 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.

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

**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**

Broken chord

Irregular time signatures

Polyphonic

Autotune

Ritardando

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

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

**3**

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

- (c) Listen to this excerpt. Write the Italian term to describe the string playing technique.

**1**

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[Turn over



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

### Question 6

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

A guide to the audio is laid out below. You will see that further information is required and should 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 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 _____ control is adjusted on the synthesiser's envelope generator.	1
2.	Name the playing technique in the electric guitar part _____.	1
3.	The _____ control is adjusted on the bass synth's resonant filter.	1
4.	The process and the control applied to the lead vocal as effects are _____ and _____.	2
5.	A _____ filter is applied to the whole mix apart from the kick drum and the vocals.	1
6.	The synth strings play a/an _____.	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.

Backing vocals in unison	Backing vocals in harmony
Envelope filter on electric guitar riff	Auto panned synthesiser effect
Flanger on overdriven electric guitar	Synth strings play inverted pedal
Double tracked lead vocal	Delay on lead vocals
Bass synth with wah-wah	Distorted bass guitar

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

5

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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]



ADDITIONAL SPACE FOR ANSWERS



ADDITIONAL SPACE FOR ANSWERS



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DO NOT WRITE ON THIS PAGE

