



FOR OFFICIAL USE

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National  
Qualifications  
2023 MODIFIED

Mark

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**X851/75/01**

**Music Technology**

FRIDAY, 28 APRIL

9:00 AM – 9:50 AM



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

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

--	--

Month

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Year

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Scottish candidate number

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**Total marks – 36**

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 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.



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

Total marks – 36  
Attempt ALL questions

## Question 1

- (a) Listen to this excerpt. Tick (✓) **one** box to identify the decade. 1

1920s

1940s

1960s

1980s

- (b) Listen to the excerpt again. Name the genre/style. 1

\_\_\_\_\_

- (c) Listen to this excerpt. Tick (✓) **one** box to identify the type of voice. 1

Soprano

Baritone

Tenor

Alto

- (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.

Rock 'n' roll

Celtic rock

Country

Skiffle

Reason \_\_\_\_\_



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

Question 2

- (a) Listen to this excerpt. Tick (✓) **one** box to identify the prominent control used on the **bass synth**.

1

The excerpt will be played **twice**.

Here is the excerpt for the first time.

Here is the excerpt for the second time.

Delay

High EQ boost

LFO

Pitch bend

- (b) Listen to this excerpt. Tick (✓) **one** box to describe what you hear.

1

The excerpt will be played **twice**.

Here is the excerpt for the first time.

Here is the excerpt for the second time.

Ritardando

Accelerando

Rallentando

Anacrusis

- (c) Listen to this excerpt from a Musical.

Describe **two** production features which are typical of this genre/style.

2

1 \_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

[Turn over



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

Question 2 (continued)

(d) Listen to this excerpt.

Describe how to record an acoustic guitar using **one** microphone.

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.



Question 3

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

1

Electronica

Disco

Hip Hop

Rock

(b) Listen to another excerpt in the same genre/style.

Identify **two** key **music** or **technology** features used in this recording which are typical of this genre/style.

2

1 \_\_\_\_\_

2 \_\_\_\_\_

(c) Listen to this excerpt.

Tick (✓) **one** box in COLUMN A to identify the genre of the excerpt and **one** box in COLUMN B to describe a feature of the music.

2

COLUMN A

COLUMN B

Ragtime

Cluster

Country

Vamp

Skiffle

Glissando

Scottish

(d) Listen to another excerpt. Identify the prominent solo instrument.

1

\_\_\_\_\_

[Turn over



Question 4

- (a) Listen to this excerpt. Identify the **descending scale** present and tick (✓) **one** box to identify the structure/form.

The excerpt will be played **twice**.

Here is the excerpt for the first time.

Here is the excerpt for the second time.

(i) Descending scale: \_\_\_\_\_ 1

(ii) Structure / form 1

- Ternary
- Instrumental break
- Coda

- (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.

- Strings with delay effect
- Inverted pedal on electric organ
- Dry vocal panned left
- Pitch bend on double bass
- Wah-wah electric guitar panned right

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.



Question 4 (continued)

- (c) Listen to this excerpt.

The backing vocals in this excerpt have been recorded using a figure of eight polar pattern. Give **one** feature of this polar pattern.

1

\_\_\_\_\_

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

- (d) Listen to this excerpt in which popping and blasting are present. Describe **two** ways to prevent this. This excerpt will be played **twice**.

2

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

1 \_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

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

- (e) Listen to this excerpt. Tick (✓) **one** box to identify the prominent effect/process on the electric guitar.

1

The excerpt is short and will be played **twice**.

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

- Delay
- Wah-wah
- Reverb
- Noise gate

[Turn over



**Question 5**

In this question you will hear a recording of a song.

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.

- High EQ cut
- LFO
- Multi-effects processor
- Noise gate
- Vocal enhancer

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.

Backing vocals (dry then wet)

Lead vocals (dry then wet)

Electric guitar (dry then wet)

Synthesiser (dry then wet)

Bass guitar (dry then wet)

Instrument	Control, effect or process applied to instrument
Backing vocals	
Lead vocals	
Electric guitar	
Synthesiser	
Bass guitar	

5



[Turn over for next question

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

Question 6

- (a) In this question you will hear two excerpts from 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 tables 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*

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(Rough notes will not be marked)



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

Question 6 (a) (continued)

Final answer

<b>Excerpt 1</b>	<b>Excerpt 2</b>
Instrument/voice	Instrument/voice
Effect	Effect
<b>Excerpt 1</b>	<b>Excerpt 2</b>
Instrument/voice	Instrument/voice
Panning	Panning

4

(b) Listen to another excerpt by the same artist and identify the tonality.

1

- Atonal
- Major
- Minor

[END OF QUESTION PAPER]



MARKS DO NOT  
WRITE IN  
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MARGIN

ADDITIONAL SPACE FOR ANSWERS



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MARKS DO NOT  
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