



FOR OFFICIAL USE

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National
Qualifications
2022 MODIFIED

Mark

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X851/75/01**Music Technology**

WEDNESDAY, 4 MAY

2:30 PM – 3:20 PM



* 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

--

Forename(s)

--

Surname

--

Number of seat

--

Date of birth

Day

--	--

Month

--	--

Year

--	--

Scottish candidate number

--	--	--	--	--	--	--	--	--

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 *

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1

- 1940s

1940s

1960s

1960s

1980s

1980s

2000s

2000s

- 1

- 1

Arco

Arco

 Ritardando

Ritardando

☐ Atonal

Atonal

Modulation

Modulation

- 1

- 1

☐ Ragtime

Ragtime

☐ Swing

Swing

Country

Country

Skiffle

Skiffle

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

Question 2

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

☐ Gated reverb

☐ Noise gate

☐ Pitch bend

☐ High EQ boost

- (b) Listen to this excerpt. Tick (✓) **one** box to identify 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.

☐ Inverted pedal

☐ Cross rhythms

☐ Arco

☐ Scat singing

- (c) Listen to this excerpt of Punk. Describe **two** key features either musical or technological which are typical of this genre/style.

2

1 _____

2 _____

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

[Turn over



Question 2 (continued)

- (d) Listen to this excerpt of a drum kit recording. Describe in detail how to record the bass drum.

You should specify the microphone type, polar pattern and placement.

(i) Type of microphone _____ 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

MARKS DO NOT
WRITE IN
THIS
MARGIN

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

1

- ☐ 60s pop
- ☐ Dance music
- ☐ Rock 'n' roll
- ☐ Disco

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

Identify **two** production features used in this recording that are typical of this genre/style.

2

1 _____

2 _____

- (c) Listen to this excerpt.

Tick (✓) **one** box in COLUMN A to identify the genre and **one** box in COLUMN B to describe the prominent playing technique.

2

The excerpt will be played **twice**.

Here is the excerpt for the first time.

Here is the excerpt for the second time.

COLUMN A

- ☐ Ragtime
- ☐ Skiffle
- ☐ Blues
- ☐ Scottish

COLUMN B

- ☐ Pedal
- ☐ Vamp
- ☐ Whole tone scale

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

1

[Turn over



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

Question 4

- (a) Listen to this excerpt. Write the **texture** concept which describes the backing vocal and tick (✓) **one** box to describe the organ part.

The excerpt will be played **twice**.

Here is the excerpt for the first time.

Here is the excerpt for the second time.

(i) Texture _____ 1

(ii) Organ part 1

☐

Arpeggio

☐

Inverted pedal

☐

Chromatic

- (b) Listen to the following excerpt. 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.

☐

Piano with reverb effect

☐

Lead vocal with distortion effect

☐

Lead vocal with panning delay

☐

Electronic drum fills

☐

Electric guitar solo with pitch bend

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.



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

Question 4 (continued)

- (c) Listen to this excerpt. This electric guitar has a chorus effect applied to it. List **two** controls found on this effect.

2

1 _____

2 _____

- (d) Listen to this excerpt in which a synth has been recorded using direct injection. In the recording there is a buzz present. Describe **two** ways to correct this.

2

The excerpt will be played **twice**.

Here is the excerpt for the first time.

Here is the excerpt for the second time.

1 _____

2 _____

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

[Turn over



Question 5

In this question, you will hear a piece of electronic music.

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.

- Panning
- Chorus
- Delay
- High EQ cut
- Reverb

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.

Bass synth (dry then wet)

Electric piano (dry then wet)

Samples (dry then wet)

Strings (dry then wet)

Synth chords (dry then wet)

Instrument	Control, effect or process applied to instrument
Bass synth	
Electric piano	
Samples	
Strings	
Synth chords	

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

(Rough notes will not be marked)



Question 6 (a) (continued)

Final answer

Excerpt 1	Excerpt 2
Instrument/voice	Instrument/voice
Effect	Effect
Excerpt 1	Excerpt 2
Instrument/voice	Instrument/voice
Panning	Panning

4

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

1

Tonality	
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[END OF QUESTION PAPER]



ADDITIONAL SPACE FOR ANSWERS



ADDITIONAL SPACE FOR ANSWERS



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