



FOR OFFICIAL USE

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National
Qualifications
2021 ASSESSMENT RESOURCE

Mark

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X851/75/01

Music Technology

Duration — 1 hour



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

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. 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.



Total marks — 40
Attempt ALL questions

Question 1

(a) Listen to this excerpt. Tick (✓) **one** box to identify the genre/style. 1

Country

Scottish

Musical

Rap

(b) Listen to this excerpt. In which decade was this music recorded? Tick (✓) **one** box. 1

1930s

1950s

1970s

1990s

(c) 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.

Dance music

Disco

Hip hop

Punk

Reason _____



Question 1 (continued)

- (d) Listen to this excerpt. Using the Italian term, describe the string playing technique in the accompaniment.

1

Italian term _____

- (e) Listen to this excerpt. Identify the fault in the recording.
Tick (✓) **one** box.

1

- Spillage
- Clipping
- Sibilance
- Feedback

[Turn over



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

Question 2

(a) Listen to this excerpt. Tick (✓) **one** box to identify the prominent effect/process on the vocal. 1

- Chorus
- Compression
- Delay
- Reverb

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

- Soprano
- Alto
- Tenor
- Bass

(c) Listen to this excerpt and identify the solo instrument. 1

(d) Listen to this excerpt. Describe in detail how you would capture this performance of the solo instrument in a live setting, using a close mic'ing technique.

(i) Type of microphone _____ 1

(ii) Polar pattern _____ 1

(iii) Microphone placement and distance _____ 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 describe what you hear. 1

- Skiffle
- Country
- Blues
- Rock 'n' roll

(b) Listen to the excerpt again. Identify **two** musical or production features used in this excerpt 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 tonality. 2

You will hear the music **twice**.
Here is the excerpt for the first time.
Here is the excerpt for the second time.

COLUMN A

COLUMN B

- | | |
|--|---------------------------------|
| <input type="checkbox"/> Rock 'n' roll | <input type="checkbox"/> Major |
| <input type="checkbox"/> Blues | <input type="checkbox"/> Minor |
| <input type="checkbox"/> Rock | <input type="checkbox"/> Atonal |
| <input type="checkbox"/> Jazz | |

[Turn over



Question 3 (continued)

- (d) Listen to another excerpt from the same genre. Complete the list of instruments you hear.

1 Piano

2 Drum kit

3 _____

- (e) Listen to this excerpt. Reverb has been applied to the lead vocal track. Identify the other prominent effect on the lead vocal.

1

1



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

Question 4

(a) Listen to this excerpt. Write the **texture** concept which describes the vocals, and tick (✓) **one** box to describe the string part.

(i) Texture concept _____ 1

(ii) String part 1

- Glissando
- Modulation
- Cluster
- Inverted pedal

(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.

- Backing vocals with gated reverb
- Chromatic scale on bass guitar
- Electric guitar with distortion effect
- Homophonic vocals with creative EQ
- Mandolin plays ostinatos

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.

[Turn over



Question 4 (continued)

- (c) Listen to this excerpt of Country.
Describe **two** key musical features, which are typical of this genre/style. **2**

1 _____

2 _____

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

- (d) Listen to this excerpt. The recording includes use of a compressor.
List **two** controls found on a compressor. **2**

1 _____
2 _____



Question 5

In this question you will hear a version of ‘Return of the Mack’ by Mark Morrison.

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.

- Fade in and fade out
- Wah wah
- Time domain effects
- Low EQ boost
- Chorus

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.

Synth bass (dry then wet)

Lead synth (dry then wet)

Electric piano (dry then wet)

Synth pad (dry then wet)

Electric guitar (dry then wet)

Instrument	Control, effect or process applied to instrument
Synth bass	
Lead synth	
Electric piano	
Synth pad	
Electric guitar	

5

[Turn over



Question 6

Read through this intellectual property case study and answer the questions below.
There will be no music played.

Phonographic Performance Ltd (PPL) vs. Thomas Morrough

The Case: Thomas Morrough, owner of the restaurant *Cube*, hired his premises out to a third party. The third party then booked a DJ to play music at their private party at the restaurant.

PPL (Phonographic Performance Ltd) filed a copyright infringement lawsuit against Thomas Morrough as he did not possess the PPL and PRS (Performing Rights Society) 'Music License' to allow him to legally play recorded music in his business premises.

The Outcome: Thomas Morrough argued that the third party hiring a DJ to play at his restaurant did not infringe copyright as he had no control over what songs were being played. The judge ruled that the owner of the premises, not the DJ, was responsible for obtaining 'The Music License' from PPL/PRS. Thomas Morrough was fined £2,500.

You have **5 minutes** to complete your answers. A warning tone will sound **30 seconds** before the next question starts.

- (a) What type of license is required to play recorded music in a business premises? Tick (✓) **one** box. 1

- PRS only (Performing Rights Society)
- PPL only (Phonographic Performance Ltd)
- The Music License (joint PRS and PPL license)
- No license is required

- (b) Explain in simple terms why PPL had a case against Thomas Morrough. 1



MARKS

DO NOT
WRITE IN
THIS
MARGIN

Question 6 (continued)

(c) Explain why intellectual property protection is important in this case.

1

[Turn over



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

Question 7

- (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 7 (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 a continuation of excerpt 2. Tick (✓) **one** box to describe what you hear.

1

- Rallentando
- Instrumental break
- Modulation

[END OF QUESTION PAPER]



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

MARKS

DO NOT
WRITE IN
THIS
MARGIN

ADDITIONAL SPACE FOR ANSWERS



* X 8 5 1 7 5 0 1 1 4 *

MARKS

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ADDITIONAL SPACE FOR ANSWERS



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