

FOR OFFICIAL USE



National
Qualifications
2015

Mark

X751/76/01

Music Technology

MONDAY, 11 MAY
10:30 AM – 11:15 AM



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 — 30

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.

In this examination you will listen to music and audio excerpts and answer questions based on what you hear.

Where excerpts are played more than once, the number of times each excerpt is played is stated in the question.

Use **blue** or **black** ink.

You are not allowed to leave the examination room until the end of the test.

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 - 30
Attempt ALL questions

Question 1

Listen to this excerpt and identify **two** terms from the list below which describe what you hear. The excerpt will be played twice.

- | | |
|-------------|--------------|
| Jazz funk | Time Changes |
| Soul | Coda |
| World Music | |

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

2

1 _____

2 _____

Question 2

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

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

3

Genre: _____

1 _____

2 _____

(b) Listen to this excerpt and identify **one** term from the list below which describes what you hear.

1

- | | |
|--------------------------|----------------|
| Irregular Time Signature | Arco |
| Modulation | Inverted Pedal |



Question 3

In this question you will hear two recordings. For each one, you must identify the fault in the recording and describe an appropriate solution.

- (a) Listen to this excerpt of a MIDI file which has been incorrectly imported into a Digital Audio Workstation.

Identify the fault and describe in detail how to correct it.

(i) Fault: _____ **1**

(ii) Solution: _____ **1**

You now have one minute to complete your answer.

- (b) Listen to this excerpt of a live DJ set. Identify the fault you hear during the crossfade and describe in detail how to correct it. Both tracks have a BPM of 130.

(i) Fault: _____ **1**

(ii) Solution: _____ **1**

You now have one minute to complete your answer.

[Turn over



Question 4

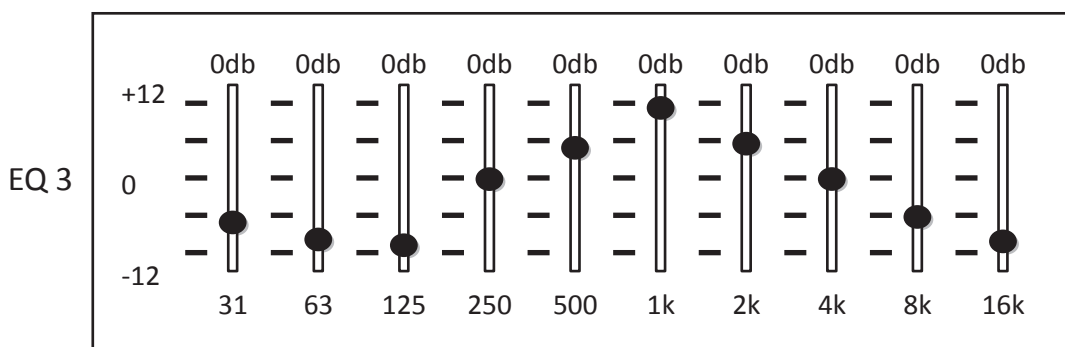
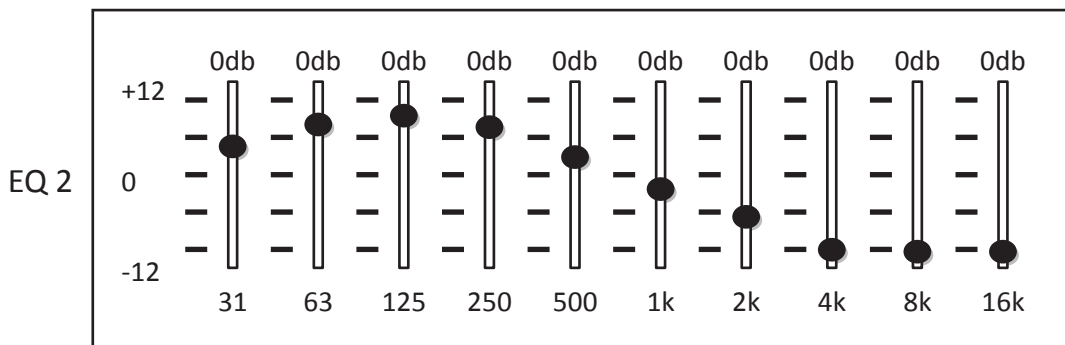
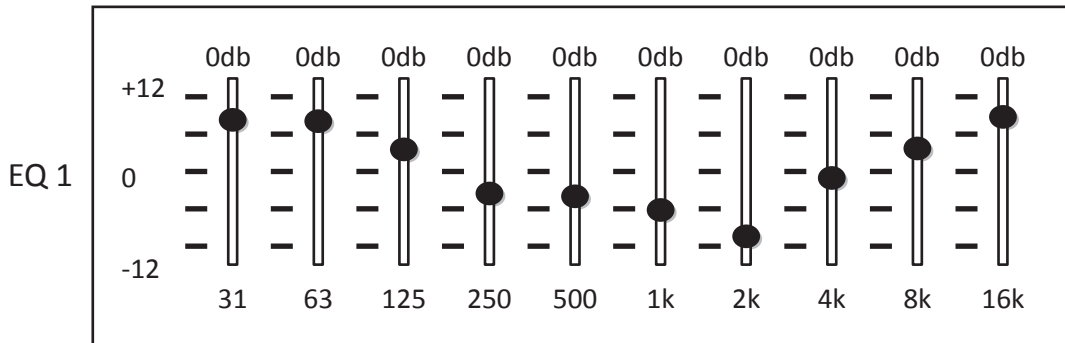
MARKS DO NOT WRITE IN THIS MARGIN

(a) You will hear two versions of a vocal recording.

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.



EQ applied 1,2 or 3

1

Justify your answer: _____



* X 7 5 1 7 6 0 1 0 4 *

Question 4 (continued)

MARKS

DO NOT
WRITE IN
THIS
MARGIN

- (b) Listen to another excerpt. Delay has been applied to the rhythm guitar part. Name the **effect** applied to the lead guitar sample.

1

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

[Turn over



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

Question 5

This question features excerpts of music from the same work.

- (a) Listen to this excerpt and identify **two** terms from the list below which describe what you hear. The excerpt will be played twice.

Wah-wah	Glissando
Phasing	Walking Bass
Delay	

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

2

- 1 _____
- 2 _____

- (b) Listen to a continuation of this live performance. Describe a close mic'ing technique that you would use to capture the tin whistle. Justify your choice.

3

You now have two minutes to complete your answer.

Question 5 (continued)

- (c) Listen to this excerpt, and follow the guide to the music below. Do not attempt to write during this first playing.



Name the type of articulation marks which are missing.
The excerpt will be played two more times.

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

1

[Turn over



Question 6

In this question you will hear a piece of instrumental music. You should focus on the bass guitar part.

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

Section	Description	
1	The _____ is boosted.	1
2	The effect applied to the snare is _____.	1
3	The process now applied is _____.	1
4	The effects are _____ and _____.	2
5	The effect now applied is _____.	1
6	The Italian term which describes what happens in the music is _____.	1

Question 7

Listen to the following 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 will now have **one minute** to read through the question.

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

Guitar arpeggios	Auto-tuned vocal
Off-beat filtered bass synth	Alto voice singing counter-melody
Phase effect on the vocal track	Time changes
Brass stabs with delay effect	Bass synth with descending pitch bend
Synth ostinato with portamento	Modulation to relative major

Insert the five features on the lines below.

5

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____

You now have three minutes to complete your answer.

[END OF QUESTION PAPER]



ADDITIONAL SPACE FOR ANSWERS

MARKS DO NOT
WRITE IN
THIS
MARGIN



ADDITIONAL SPACE FOR ANSWERS

MARKS DO NOT
WRITE IN
THIS
MARGIN



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

ACKNOWLEDGEMENT

Question 5(c) – Graphical music is taken from “Dr MacPhail’s Reel” by Capercaillie.

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* X 7 5 1 7 6 0 1 1 2 *