

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Centre Number

Candidate Number

**Pearson Edexcel Level 3 GCE**

**Wednesday 24 May 2023**

Afternoon (Time: 1 hour 30 minutes)

Paper  
reference

**9MT0/03**

**Music Technology**

**Advanced**

**COMPONENT 3: Listening and Analysing**

**You must have:**

2023 Pearson audio files, headphones and computer with media playing software

Total Marks

## Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- Access to music production software or the internet is not permitted.

## Information

- The total mark for this paper is 75.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

## Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ►

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**Pearson**

SECTION A

Answer ALL questions. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 **Goo Goo Dolls: *Black Balloon* (1998)**  
**Track 1**

(a) Name **two** modulation effects heard on the electric guitars before the vocal enters.

(2)

1 .....

2 .....

(b) The lead vocal is slightly sibilant. Identify **one** process that could be used to reduce the sibilance.

(1)

.....

(c) (i) Identify **one** other capture problem heard in the lead vocal between 0:29–0:38.

(1)

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(ii) Identify **two** ways the problem heard in (c)(i) could be avoided during capture.

(2)

1 .....

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2 .....

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(d) Excluding EQ, describe acoustic guitar capture and processing between 0:19–1:03.

(4)

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**(Total for Question 1 = 10 marks)**



P 7 4 0 0 2 A 0 3 2 0

**2 Lipps Inc.: Funkytown (1979)**  
**Track 2**

(a) (i) Excluding panning, identify **one** way the reverb on the cowbells changes at 0:59 when compared to the previous section. (1)

.....

(ii) State **two** ways of recreating the change heard in (a)(i) using a DAW. (2)

1 .....

2 .....

(b) Describe the amplitude envelope settings used on the lead synthesiser first heard at 0:04. (3)

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(c) A vocoder is used on the vocals from 0:11–0:24. Describe how a vocoder works.

(4)

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**(Total for Question 2 = 10 marks)**

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**3 Nelly Furtado: *Do It* (2006)**  
**Track 3**

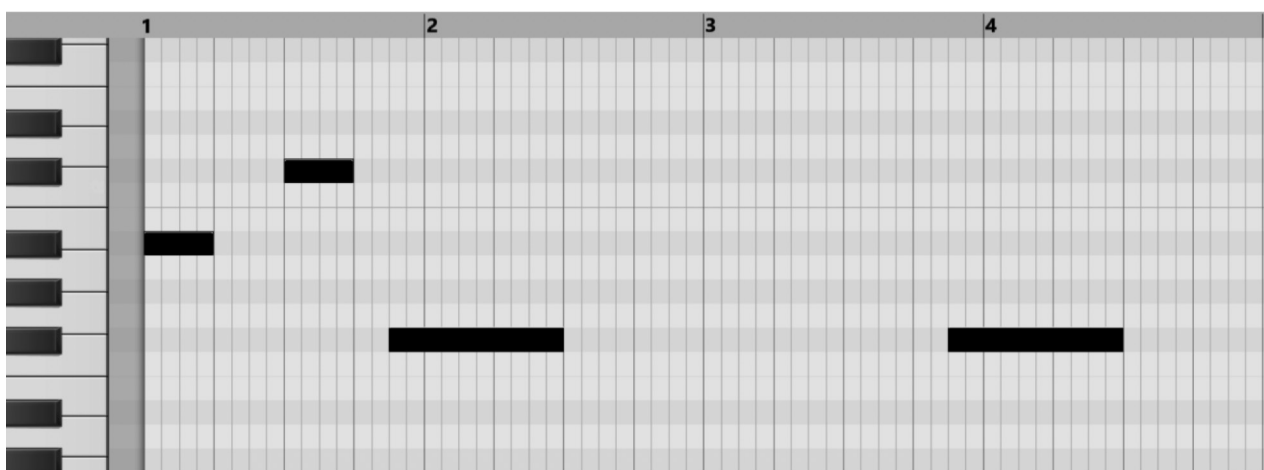
(a) Identify the most likely quantise value used on the kick drum in the introduction (0:01–0:16).

(1)

- A 1/4
- B 1/4 triplet
- C 1/8
- D 1/8 triplet

(b) Draw the **two** missing notes from the first four bars of the bass line (0:01–0:09).

(2)



(c) Describe the production techniques used on the clap sound in the introduction (0:01-0:16).

(2)

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**4 The Band: *The Weight* (1968)**  
**Track 4**

(a) Describe how lead vocal production has changed since the song was recorded in 1968.

(6)

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(b) This recording is taken from a remastered compilation released in 2000. Explain **two** types of EQ or filter that may have been used in the remastering process.

(4)

1 .....

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2 .....

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**(Total for Question 4 = 10 marks)**

**TOTAL FOR SECTION A = 40 MARKS**





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**(Total for Question 5 = 15 marks)**

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**(Total for Question 6 = 20 marks)**

**TOTAL FOR SECTION B = 35 MARKS**  
**TOTAL FOR PAPER = 75 MARKS**



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