

Please check the examination details below before entering your candidate information

Candidate surname

Other names

**Pearson Edexcel
Level 3 GCE**

Centre Number

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Candidate Number

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Friday 22 May 2020

Morning (Time: 1 hour 30 minutes)

Paper Reference **9MT0/03**

Music Technology

Advanced

Component 3: Listening and analysing

You must have:

audio CD, headphones and individual CD player.

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

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SECTION A

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

1 Queen: *The Prophet's Song*
Track 1

(a) Identify the pan positions of the following instruments within the stereo field between 0:36–1:54. Draw a line on each dial to show the pan position.

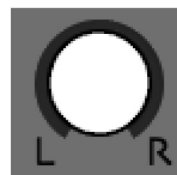
(3)



Acoustic guitar



Hi-hats



Snare drum

(b) Apart from distortion, identify **three** effects used on the electric guitar between 6:13–7:40.

(3)

- 1
- 2
- 3

(c) Describe the delay used on the lead vocal between 3:23–4:49.

(4)

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(Total for Question 1 = 10 marks)



**2 Daft Punk: Derezzed from TRON Legacy soundtrack
Track 2**

(a) Listen to the drums in the introduction (0:00–0:10). Identify **two** MIDI techniques used to make the drums sound less mechanical. (2)

1

2

(b) Identify the type of filter used on the synthesiser riff between 0:10–0:32. (1)

.....

(c) List **three** sampler effects heard between 0:50–1:18. (3)

1

2

3

(d) The level of the synthesiser riff appears to reduce when the drums enter at 0:32 due to compression. Describe the likely reasons for this change in level. (4)

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(Total for Question 2 = 10 marks)



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3 The Challengers: Pipeline
Track 3

(a) Identify the modulation effect used on the guitars. (1)

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(b) Spring reverb can be heard on the guitars. Describe how spring reverb works. (3)

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(c) Explain **three** ways in which acoustic drum kit production techniques have changed since this recording was made in 1965. (6)

1
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2
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3
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(Total for Question 3 = 10 marks)



4 Peggy Seeger: *The House Carpenter*
Track 4

(a) Identify **two** possible sources of the unwanted noise heard on the recording. (2)

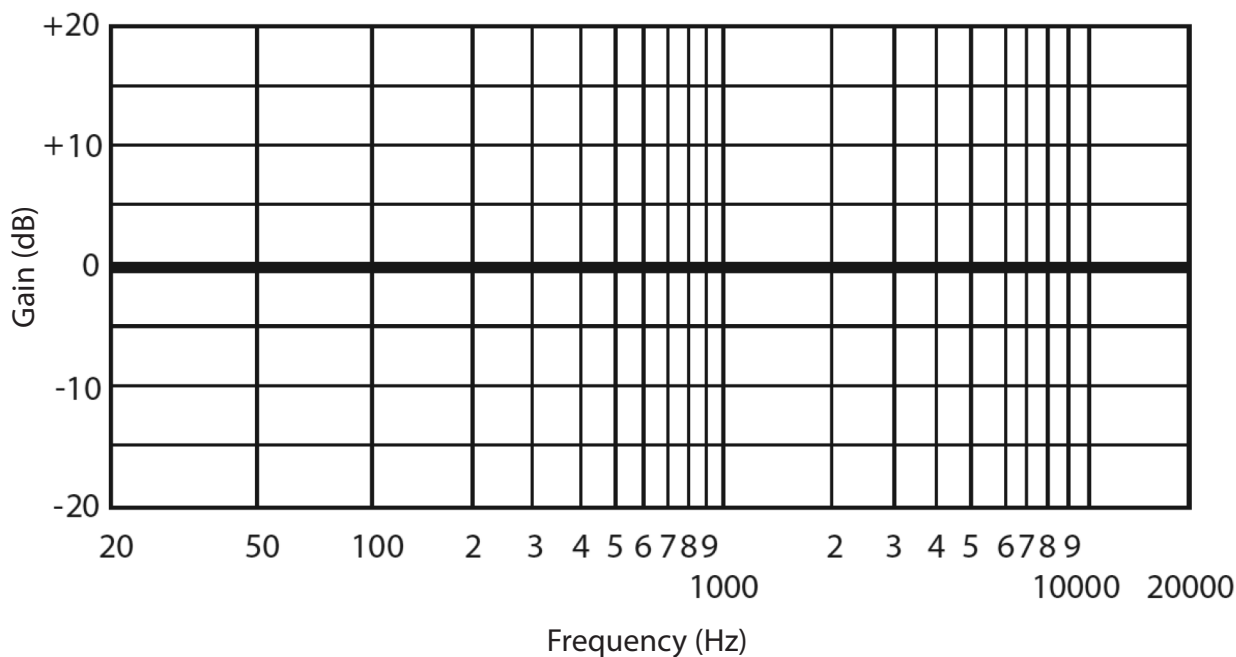
1

2

(b) The instrument accompanying the singing is a banjo. Assuming that the frequency of the G above middle C is 392 Hz, calculate the frequency of the lowest note played by the banjo in the recording, which is an octave lower. (1)

..... Hz

(c) On the graph below, draw a filter curve that would reduce the hum heard on the recording without affecting the banjo or singing. (3)



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(d) Explain **two** ways in which the balance between instruments was controlled when making direct to tape mono recordings in the 1930s–1950s.

(4)

1

2

(Total for Question 4 = 10 marks)

TOTAL FOR SECTION A = 40 MARKS



SECTION B

Answer both Questions 5 and 6. Write your answers in the spaces provided.

**5 Ed Sheeran: *Shape of You* (2017)
Track 5**

and

**Ed Sheeran & NOTD: *Shape of You NOTD remix* (2017)
Track 6**

Evaluate the production techniques used in both versions of the song.

(15)

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(Total for Question 5 = 15 marks)



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**6 Portishead: *Glory Box*
Track 7**

This song was released in 1994. Various distortion types were used throughout the production. Evaluate the use of distortion within the song as well as the wider impact distortion has had on music production from the 1950s to the present day.

(20)

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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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