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Other names

Pearson
Edexcel GCE

Centre Number

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Candidate Number

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Music Technology

Advanced Subsidiary

Unit 2: Listening and Analysing

Thursday 25 May 2017 – Afternoon

Time: 1 hour 45 minutes

Paper Reference

6MT02/01

You must have:

Individual CD player, headphones and audio CD of recorded extracts.

Total Marks

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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.*
- If you are using a computer to play the CD, access to sequencing software is NOT permitted.
- You must ensure that the left and right earpieces of your headphones are worn correctly.

Information

- The total mark for this paper is 80.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed
– *you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.*
- Each question number refers to the relevant track number on the audio CD, e.g. Question 1 refers to Track 1, Question 2 to Track 2, etc.
- You may listen to each track as many times as you wish within the overall time limit of the paper.
- The use of the words 'instrument' or 'sounds' refers to vocals, acoustic instruments, electric/electronic instruments and electronically-generated sounds unless otherwise stated.

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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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 **ABBA: Under Attack**

(a) What is the tempo of this song? Put a cross in the correct box. (1)

- A 80 bpm
- B 100 bpm
- C 115 bpm
- D 130 bpm

(b) How is the effect at 0'30" on the line 'You know that I'm nobody's fool' achieved? (1)

(c) How does the arrangement change at 1'01"? (1)

(d) (i) Describe the delay on the lead vocal in the verse. (2)

(ii) Describe one change in reverb or delay settings on the lead vocal at each of the following points:

Time	Lyric	Description
0'44"	"under attack"	(1)
1'32"	"no"	(1)

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2 *Gentle Giant: The Advent Of Panurge*

(a) When was this track recorded? Put a cross in the correct box.

(1)

- A 1956–1965
- B 1966–1975
- C 1976–1985
- D 1986–1995

(b) How is the style of this music best described? Put a cross in the correct box.

(1)

- A Folk
- B Indie
- C Jazz
- D Prog rock

(c) Describe the panning of the following instruments between 0'48" and 0'57".

(3)

Bass guitar	
Organ	
Piano	

(d) Which term best describes the vocal texture between 0'17" and 0'22"? Put a cross in the correct box.

(1)

- A Heterophonic
- B Homophonic
- C Monophonic
- D Polyphonic

(e) Name the solo instrument that enters at 1'51".

(1)



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(f) Fill in the **three** missing pitches from the vocal line between 0'09" and 0'14".

(3)

Look, do you see the man who is poor but rich?

(Total for Question 2 = 10 marks)



3 Air: La Femme D'Argent

(a) Listen to the bass line between 0'26" and 1'01".

Describe how the rhythm changes at 0'50".

(2)

.....

.....

(b) Describe the delay on the organ chords from 1'38".

(2)

.....

.....

(c) From 4'02", the chords are played by an upright piano.

(i) Identify **one** potential problem in capturing sound from an upright piano and provide **one** solution.

(2)

Problem

.....

Solution

(ii) Describe the EQ on the piano.

(1)

.....

.....

*(d) Name the percussion instrument that enters at 4'50".

(1)

.....



(e) Listen to the synth glissandos between 2'02" and 2'15". Which combination of effects has been used? Put a cross in the correct box.

(1)

- A** Delay and flange
- B** Delay and reverb
- C** Reverb and chorus
- D** Reverb and flange

(f) What is the LFO routed to in order to provide the modulation on the synthesiser between 4'38" and 5'20"?

(1)

- A** Cut-off frequency
- B** Oscillator
- C** Pulse width
- D** Resonance

(Total for Question 3 = 10 marks)



4 Alice In Chains: Lab Monkey

(a) What is the interval between the two notes of the lead vocal between 00'36" and 00'44"? Put a cross in the correct box.

(1)

- A** Minor second
- B** Major second
- C** Minor third
- D** Major third

(b) (i) This track could be described as being inspired by grunge. Identify **three** stylistic elements of grunge heard in this recording.

(3)

1

2

3

(ii) What common textural element of grunge is missing?

(1)

.....

(c) How does the mix change at 1'30"?

(1)

.....

(d) Describe how the vocals are mixed between 2'06" and 2'22".

(2)

1

2

(e) Describe how the main guitar riff has been mixed to create a thicker texture. This can be most clearly heard at 2'22".

(2)

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(Total for Question 4 = 10 marks)



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SECTION B

Answer BOTH questions.

Special focus style – Rock And Roll

5 *Beverley Knight: Ain't Nothin' But A Kiss*

(a) Using the given headings, complete the table below to identify **six** different elements of rock and roll heard in this track.

(6)

Rhythm	1
	2
Harmony	1
	2
Performance techniques in piano solo from 0'44"	1
	2

(b) Name the keyboard instrument on this track that is not commonly heard in 1950s rock and roll.

(1)

(c) (i) How would guitar distortion have been created in the 1950s?

(1)

(ii) Identify **one** other way of creating guitar distortion in 2017.

(1)

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(d) This track was recorded in 2015. Without reference to guitar distortion, identify **six** ways in which the production differs from rock and roll tracks recorded in the 1950s.

(6)

1

2

3

4

5

6

*(e) How did Sun Records contribute to the development of rock and roll? You should support your answer with reference to an artist.

(5)

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(Total for Question 5 = 20 marks)



Special focus style – Rap and Hip Hop

6 *Jessie J: Wild (Show N Prove remix) feat. Big Sean and Dizzee Rascal*

(a) Describe the tonality of the chorus.

(1)

(b) Describe **two** ways in which the vocal sample starting at 0'05" has been treated.

(2)

1

2

(c) Which best describes the rhythm of the snare sample between 0:12 and 0:14?

(1)

- A** Crotchets and quavers
- B** Crotchets and semiquavers
- C** Triplet crotchets and triplet semiquavers
- D** Triplet crotchets and triplet quavers

(d) Listen to the chorus between 0'41" and 0'47".

(i) Fill in the boxes to identify the synth chords.

(3)

Bm		Gmaj
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If I go hard, let me tell you that it's worth it

Dmaj		
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Play the right cards, I ain't afraid to work it

(ii) Name the vocal technique that the singer uses on the words 'hard' and 'cards'.

(1)



(e) What phrase best describes the steps in the rising synth at 1'01"? Put a cross in the correct box. (1)

- A** Aeolian
- B** Diatonic
- C** Microtonal
- D** Whole tone

(f) Describe how the rhythmic feel changes at 1'08". (1)

.....

(g) What controller has been used to modify the synth's pitch at 1'08" – 1'22"? (1)

.....

(h) What editing techniques have been used on the vocal sample between 2'37" and 2'45"? (3)

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(i) (i) Listen to the section between 1'36" and 2'03". Describe how the mix of the bass synth changes at 1'50". (1)

.....

(ii) Give a reason for this change. (1)

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* (j) Outline the key features of old school rap music in the late 70's and early 80's. You should reference an important artist in your answer.

(4)

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(Total for Question 6 = 20 marks)

TOTAL FOR PAPER = 80 MARKS

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