

2019 Music Technology

Higher

Finalised Marking Instructions

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General marking principles for Higher Music Technology

Always apply these general principles. Use them in conjunction with the detailed marking instructions, which identify the key features required in candidates' responses.

- (a) Always use positive marking. This means candidates accumulate marks for the demonstration of relevant skills, knowledge and understanding; marks are not deducted for errors or omissions.
- (b) You should not accept any answer that is not in the marking instructions. Use professional judgement when candidates' responses do not exactly match the marking instructions but carry the same meaning.
- (c) Accept inaccurate spelling of English or Italian terms, as long as the meaning is clear.
- (d) Where a question asks for a description, explanation or justification, do not award marks for simple one or two word answers.

Marking instructions for each question

Question		on	Expected answer(s)	Max mark	Additional guidance
1.	(a)		Reggae Countermelody.	2	1 mark for each. Do not accept other answers here.
	(b)		 beats 2 and 4 emphasised repeated riff pattern off-beat chords simple repeated chord pattern expressive and soulful vocals relaxed performance backing vocals in harmony prominent bass part syncopated bassline. 	2	1 mark for each. Do not accept other answers here.
2.	(a)		Jazz funk Possible music features ostinato and/or riff syncopation extended groove sections melodic and/or complex bass lines jazz instrumentation with electric instruments use of synthesiser use of Hammond organ prominent bass. Possible technological features live sounding recording with minimal post-production use of modulation effects use of synthesiser use of Hammond organ wah wah.	1	1 mark for a reason related to a musical concept.1 mark for a reason related to a technological concept.Also accept chorus/flange/phase.
	(b)		Cross rhythms.	1	Do not accept other answers here.
3.	(a)	(i)	 Fault there is popping and blasting present in the mix mic technique/placement is poor. 	1	Do not accept other answers here.
		(ii)	Correctionadjust the mic positionmove the mic off axisuse a pop shield.	1	Do not accept other answers here.

Question		on	Expected answer(s)	Max mark	Additional guidance
	(b)	(i)	Fault: (The MIDI drums are) out of time.	1	Also accept quantise value set incorrectly. (MIDI) drums out of sync is not accepted.
		(ii)	Correction: Quantise the (MIDI) drum track (to the correct value).	1	Also accept re-record/ re-program.
4.	(a)		Reverb setting 1 The reverb time is long and there is a long pre (delay) before the reverb is heard.	1	The mark should only be awarded if option 1 has been identified and a valid justification has been given.
	(b)		Harmonics.	1	Do not accept other answers here.
5.	(a)		The vocal melody.	1	Also accept vocal phrase. Also accept melody on it's own.
	(b)		Intellectual property protection benefited Ronnie Mack to get the recognition he deserved to get compensation.	1	Also accept any inference of financial compensation.
	(c)		 George Harrison could have significantly changed the (vocal) melody obtained permission to use melodic aspects of Excerpt 1 given a writing credit to Ronnie Mack. 	1	Accept any one answer. Do not accept other answers here.
6.	(a)		R'n'B Sample.	2	1 mark for each. Do not accept other answers here.
	(b)		A matched or stereo pair of cardioid condensers in XY or ORTF or NOS. OR Stereo pair of omni-directional condensers in AB or spaced pair.	1	1 mark for array. Also accept spaced pair of figure of 8 microphones. Also accept Faulkner array, Decca Tree and Blumlein (coincident pair).
			Microphones should be placed at a metre or more from or above the orchestra.	1	1 mark for placement.
			A good balance of direct sound and room ambience. OR To ensure good stereo image.	1	1 mark for justification.
	(c)		Homophonic.	1	Also accept octaves.

Q	Question		Expe	ected answer(s)	Max mark	Additional guidance
7.	(a)	a G		DJ Kool HercDr Dre	g r F	Candidates are asked to select a genre from the list provided. No marks are awarded for this. For the genre selected marks are awarded for identifying • a key innovator (1 mark)
			Key attribute	 Grand Master Flash. mixing using DJ decks rapping/mc'ing triggering samples. 		 a key attribute (1 mark) a key technology (1 mark)
			Key technology	 DJ decks drum machine sampler sequencer synthesiser. 		
			Genre: Jazz fu Key innovators	 Herbie Hancock Lonnie Liston Smith Snarky Puppy Stanley Clarke. 		
			Key attribute	 electric/ electronic instrumentation with improvisation irregular time signatures syncopation time changes. 		
			Key technology	 modulation/filter effects on guitar/wah wah rhodes piano synthesiser. 		

Question	Expected answer(s)		Max mark	Additional guidance
	Genre: Regga	ne		
	Key innovators	Bob MarleyKing TubbyLee 'Scratch' Perry.		
	Key attribute	 beats 2 and 4 emphasised repeated riff pattern off-beat chords simple repeated chord pattern expressive and soulful vocals relaxed performance backing vocals in harmony prominent bass part syncopated bassline. 		
	Key technology	Hammond organspring reverb(tape) delay.		

Question	Expected answer(s)	Max mark	Additional guidance
(b)	Example of key innovator Thomas Edison. Example of their influence on the development of this technology the wax cylinder was one of the first commercial mediums. Edison perfected a solid wax cylinder which could be shaved down and used again. Synthesiser Example of key innovator Bob Moog. Example of their influence on the development of this technology Moog developed a voltage controlled series of modules which could be patched together to create sound. Microphone Example of key innovator Dr Harry F Olson. Example of their influence on the development of this technology Olson was a key innovator of the ribbon microphone. This bi-directional microphone was used extensively in the broadcasting industry.	2	Candidates are asked to select a technology from the list provided. No marks are awarded for this. • Example of a key innovator (1 mark) • Example of the key innovator's influence on the development of the selected technology. (1 mark)

Q	uestion	Expected answer(s)	Max mark	Additional guidance
8.		 parametric inverted pedal portamento and phaser release submix rallentando 	7	 mark for each correct answer. Also accept notch or bell curve. Also accept flanger Also accept glide. Also accept sustain. Also accept group or bus. Also accept rall or ritardando/rit.
9.		 The correct 5 features are arpeggios/broken chords on electric guitar oboe plays a solo tambourine panned right time changes tremolo effect on electric guitar. 	5	mark for each correct feature. Features can be listed in any order. Do not accept other answers here.

[END OF MARKING INSTRUCTIONS]