

NCFE Level 1 & 2 Technical Award in Music Technology: Written External Assessment Mark Scheme

1a) 4 marks available

2 marks available per response

- Notes played from keyboard (1) to input pitch and note length (1)
- Using fader (1) to control software Instrument/mixer parameters (1)
- Use of pot (1) to control software Instrument/mixer parameters (1)
- Use of pitch bend wheel (1) to enter Pitch Bend (1)
- Use of modulation wheel (1) to enter Modulation/controller information (1)

Any other reasonable response to max 2 marks.

Do not accept playing/recording audio.

1b) 1 mark available

Drum pads/Midi guitar/Wind controller/Pad controllers/Faders

Any other reasonable response to max 1 mark.

Do not accept any audio source eg microphone, guitar, etc.

2) 4 marks available

	Audio track	Software instrument track
How is the sound created?	By playing an instrument/singing/using a drum loop (max 1 per response)	By MIDI information triggering sounds from a synth/sampler (response must involve MIDI to gain max 1 mark)
How can the sound of the track be changed using a DAW?	Audio editing tools/effects/copying/EQ (max 1 per response)	MIDI editing tools eg quantise, lengthening, velocity, copy, EQ/effects/patch selection, modification of software instrument settings (max 1 mark per response)



3a) 1 mark available

Answer: Reverb

3b) 1 mark available

Answer. Noise gate

4) 2 marks available

1 mark per software based problem eg DAW track not in monitor mode/DAW output not routed

1 mark per software based solution eg turn on monitor mode on channel strip/route channel to output

5) 1 mark available

Putting input notes into time/notes played in and put in time/notes snapped to grid to be put into time

6a) 2 marks available

1 mark per correct response to max of 2 marks

Correct responses: MP3 and WAV

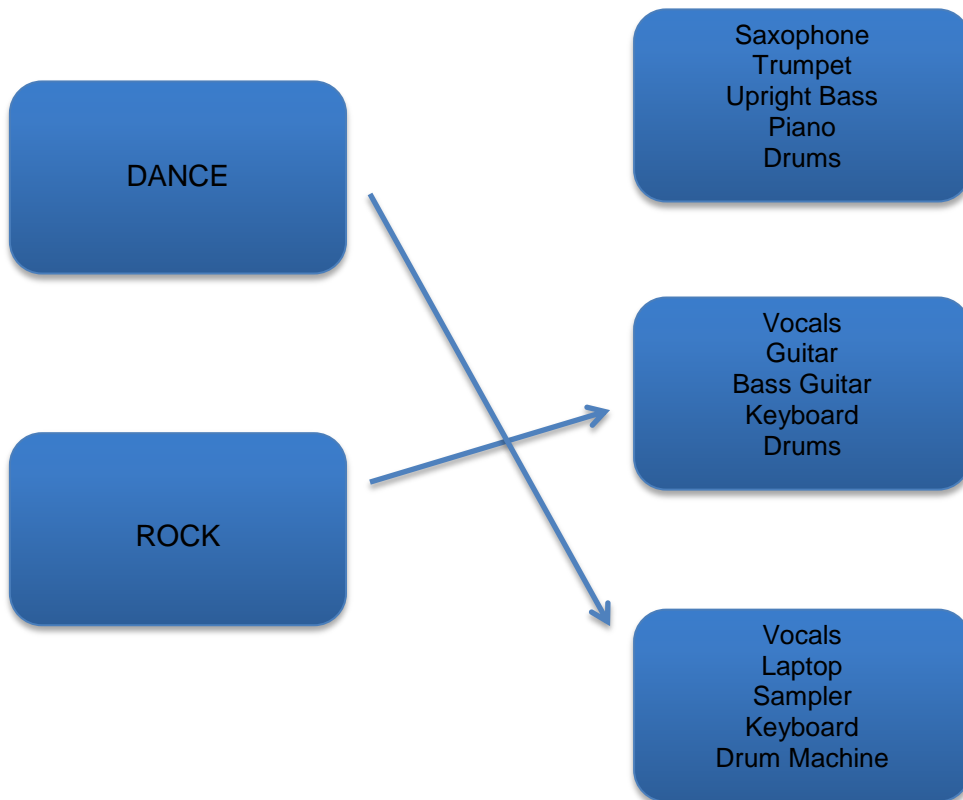
6b) 2 marks available

1 mark for identification of suitable uncompressed audio file eg WAV, AIFF.

1 mark for explanation of CD quality eg uncompressed audio/44.1–16/want to supply highest quality audio for CD

7) 2 marks available

1 mark per correct link



8) 2 marks available

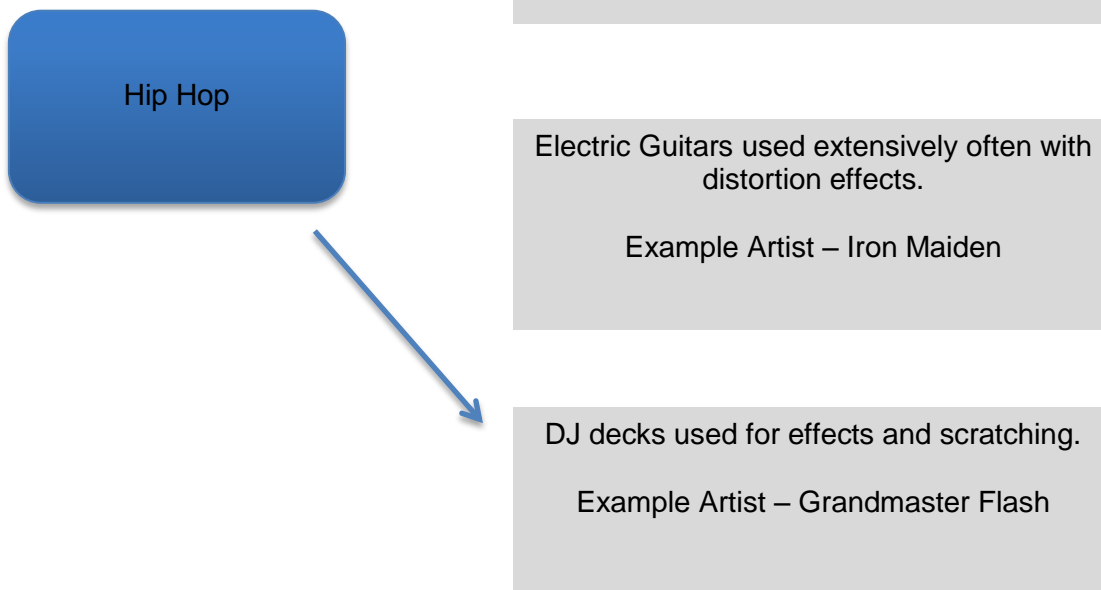
1 mark for identification of root note as C

1 mark for explanation of extended chord eg 7th added above a major chord/7th note added to chord/chord extended by adding 7th/minor 7th over major triad

eg Chord is a C chord (1) with an added 7th (1)

9) 1 mark available

1 mark for correct link



10a) 1 mark available

1 mark for headphones

10b) 2 marks available

1 mark for reasonable advantage eg full frequency response so you can mix across range accurately/good quality so you can hear details in the mix.

1 mark for reasonable disadvantage eg stereo might be constricted/room acoustics will affect judgement/consumers unlikely to be listening on similar playback systems.

11) 4 marks available

2 marks per reasonable explanation of advantage

Eg:

- allows you to layer instruments (1) to create more complex recordings (1)
- allows you to mix with more control (1) as more separation between tracks (1)
- allows you to try out more ideas (1) as spare tracks available (1)
- allows you to keep unused material (1) that might be useful for remixing (1)

Do not accept 'it allows for the recording of unlimited tracks'.

12a) 3 marks available

One mark per useful placement (eg kik, snare, 1 x overheads). To max of 3 marks.

12b) 2 marks available

1 mark per named type of microphone and 1 mark for explanation of usage.

Eg:

- condenser mic (1) chosen as an overhead to capture high frequency detail from kit (1)
- dynamic mic (1) chosen to record bass drum as handles loud sounds well (1)

13) 2 marks available

1 mark for identification of hazard eg cup of tea balanced on keyboard/electrical sockets heavily loaded/cables trailing/ergonomics of seat and monitor.

1 mark for description of issue eg liquid falling into equipment may result in electrocution/may lead to fire/may cause someone to trip over/may cause injuries to back.

14) 2 marks available

eg sound recorded using props (1) to mirror sounds on screen (1)

Accept explanation which explains process and outcome.

15a) 1 mark available

Answer: Clipped/Distorted/Overloaded

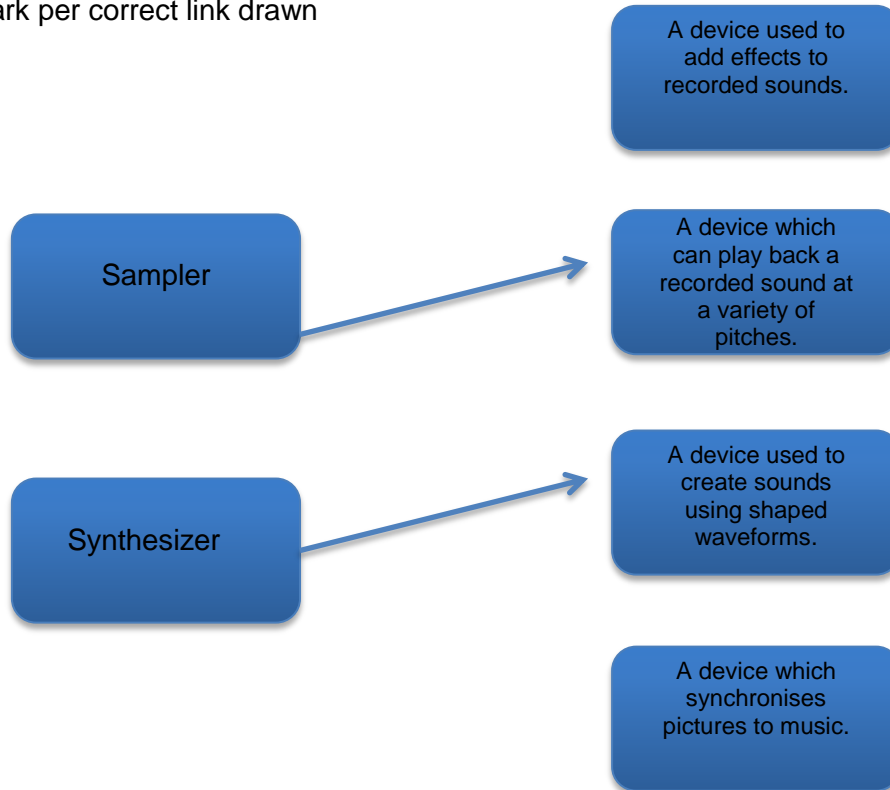
15b) 2 marks available

Answer: Explanation of gain control/setting of gain/checking input/backing off from source

eg gain controlled on interface (1) to make sure sound was recorded without clipping (1)

16) 2 marks available

1 mark per correct link drawn



17) 8 marks available

0	1-3	4-6	7-8
No response	Limited. Learner may only identify 1 method. Detail in method may be limited and/or poorly presented. May lack any real conclusion or be limited to simple strengths/weaknesses.	Good. Learner should identify 2 methods accurately. Detail should be well presented. May be some inconsistencies. Some useful comparisons made between methods. Strengths and weaknesses may be identified. Some conclusion but may be inconsistent in parts.	Very good. Learner should identify 2 contrasting methods (eg recording v synthesis) Process should be explained in detail throughout and well presented. Conclusion should give clear evaluation of possible solutions.

18) 1 mark available

Answer: Reversed

19) 3 marks available

1 mark per correct identification of section

A	A	B	A	B	B	A
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20) 2 marks available

1 mark per correct identification of instrument to max of 2

- 808 drum kit (1)
- Flute (1)

21) 1 mark available

Answer: Arpeggio

22) 1 mark available

Answer: Flanger