



National  
Qualifications

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**X851/75/01**

**Music Technology**

## **Marking Instructions**

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Please note that these marking instructions have not been standardised based on candidate responses. You may therefore need to agree within your centre how to consistently mark an item if a candidate response is not covered by these marking instructions.

## General marking principles for National 5 Music Technology

*This information is provided to help you understand the general principles you must apply when marking candidate responses to questions in this paper. These principles must be read in conjunction with the detailed marking instructions, which identify the key features required in candidate responses.*

- (a) Marks for each candidate response must **always** be assigned in line with these general marking principles and the detailed marking instructions for this assessment.
- (b) Marking should always be positive. This means that, for each candidate response, marks are accumulated for the demonstration of relevant skills, knowledge and understanding: they are not deducted from a maximum on the basis of errors or omissions.
- (c) Where a candidate has provided more than one answer, for example by ticking two boxes instead of one or adding an extra wrong answer, place a cross beside the wrong answer and deduct the mark assigned to the correct answer. If this has happened more than once or several times the mark cannot go below 0, that is, into negative marks.
- (d) Use professional judgement when candidates' responses do not exactly match marking instructions but carry the same meaning.
- (f) Candidates are asked to tick one or two boxes in multiple choice questions. Accept a cross or any other sign which makes the candidate's intentions clear.
- (g) Accept inaccurate spelling of English or Italian terms.

### Marking instructions for each question

| Question   |  | Expected response                   |  | Max mark   | Additional guidance  |   |                                   |
|--|--|-------------------------------------|--|--|--|---|-----------------------------------|
| 1.   | (a)  | <input checked="" type="checkbox"/> | Musical  | 1  | Do not accept other answers here.  |   |                                   |
|  | (b)  | <input checked="" type="checkbox"/> | 1970s  | 1  | Do not accept other answers here.  |   |                                   |
|  | (c)  | (i)                                 | <input checked="" type="checkbox"/> Hip Hop  | 1  | Do not accept other answers here.  |   |                                   |
|  |  | (ii)                                | <ul style="list-style-type: none"> <li>• call and response</li> <li>• crossfades</li> <li>• drum machines</li> <li>• loops</li> <li>• rap vocals</li> <li>• use of decks and/or turntables</li> <li>• use of riffs, often repetitive</li> <li>• use of samples.</li> </ul>   | 1  | <p>Also accept electronic drum kit.</p> <p>Use of spoken word.<br/>Also accept scratching.</p>                             |   |                                   |
|  | (d)  |                                     | Pizzicato  | 1  | Do not accept other answers here.  |   |                                   |
|  | (e)  | <input checked="" type="checkbox"/> | Clipping   | 1  | Do not accept other answers here.  |   |                                   |
| 2.   | (a)  | <input checked="" type="checkbox"/> | Compression  | 1  | Do not accept other answers here.  |   |                                   |
|  | (b)  | <input checked="" type="checkbox"/> | Tenor  | 1  | Do not accept other answers here.  |   |                                   |
|  | (c)  |                                     | Trumpet  | 1  | Do not accept other answers here.  |   |                                   |
|  | (d)  | (i)                                 | Dynamic  | 1  | Do not accept other answers here.  |   |                                   |
|  |  | (ii)                                | Cardioid   | 1  | Do not accept other answers here.  |   |                                   |
|  |  | (iii)                               | Up to 30 cm from the bell of the instrument.   | 1  | Do not accept other answers here.  |   |                                   |
| 3.   | (a)  | <input checked="" type="checkbox"/> | Skiffle  | 1  | Do not accept other answers here.  |   |                                   |
|  | (b)  |                                     | <ul style="list-style-type: none"> <li>• acoustic instruments</li> <li>• homemade instruments</li> <li>• vamp</li> <li>• a narrative vocal</li> <li>• often recorded during a live performance</li> <li>• minimal post production.</li> </ul>  | 2  | <p>Accept any two answers.</p> <p>Also accept banjo or double bass for 1 mark.</p> <p>Do not accept guitar on its own.</p> |   |                                   |
|  | (c)  |                                     | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">           COLUMN A<br/><br/> <input checked="" type="checkbox"/> Jazz         </td> <td style="width: 50%; padding: 5px;">           COLUMN B<br/><br/> <input checked="" type="checkbox"/> Atonal         </td> </tr> </table> | COLUMN A<br><br><input checked="" type="checkbox"/> Jazz | COLUMN B<br><br><input checked="" type="checkbox"/> Atonal   | 2 | Do not accept other answers here. |
| COLUMN A<br><br><input checked="" type="checkbox"/> Jazz | COLUMN B<br><br><input checked="" type="checkbox"/> Atonal |                                     |  |  |  |   |                                   |
|  | (d)  |                                     | Double Bass  | 1  | Do not accept bass on its own.   |   |                                   |
|  | (e)  |                                     | Delay  | 1  | Do not accept other answers here.  |   |                                   |

| Question        |  |      | Expected response   | Max mark   | Additional guidance   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
|-----------------|--|------|---|------------|---|------------|--------------|------------|---------------------|----------------|--------|-----------|----------------------|-----------------|---------|---|--|
| 4.              | (a)  | (i)  | Homophonic  | 1          | Also accept unison <b>and/or</b> octaves<br>Also accept accompanied.  |            |              |            |                     |                |        |           |                      |                 |         |   |  |
|                 |  | (ii) | <input checked="" type="checkbox"/> Inverted Pedal  | 1          | Do not accept other answers here.   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
|                 | (b)  |      | <input checked="" type="checkbox"/> Homophonic vocals with creative EQ.<br><input checked="" type="checkbox"/> Mandolin plays ostinatos.  | 2          | Do not accept other answers here.   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
|                 | (c)  |      | Prominent use of acoustic instruments.<br><br>Pedal steel guitar.<br><br>Simple rhythms with strong backbeat emphasis from snare and guitar.<br><br>Vocal harmonies.<br><br>Use of pitch bend on guitar.<br><br>Use of vamp.<br><br>Simple chord structure.   | 2          | Also accept (fiddle or violin, banjo, mandolin, harmonica).<br><br>Also accept slide guitar.<br><br>Also accept narrative vocal or American accented vocal led pop music.<br><br>Also accept (vocal) glissando. |            |              |            |                     |                |        |           |                      |                 |         |   |  |
|                 | (d)  |      | Controls on a compressor<br><br><ul style="list-style-type: none"> <li>• attack</li> <li>• gain</li> <li>• knee</li> <li>• ratio</li> <li>• release</li> <li>• threshold.</li> </ul>  | 2          | Accept any two answers.   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
| 5.              |  |      | <table border="1"> <thead> <tr> <th>Instrument</th> <th>Control, effect or process applied to instrument</th> </tr> </thead> <tbody> <tr> <td>Synth bass</td> <td>Low EQ boost</td> </tr> <tr> <td>Lead synth</td> <td>Time domain effects</td> </tr> <tr> <td>Electric piano</td> <td>Chorus</td> </tr> <tr> <td>Synth pad</td> <td>Fade in and fade out</td> </tr> <tr> <td>Electric guitar</td> <td>Wah wah</td> </tr> </tbody> </table> | Instrument | Control, effect or process applied to instrument  | Synth bass | Low EQ boost | Lead synth | Time domain effects | Electric piano | Chorus | Synth pad | Fade in and fade out | Electric guitar | Wah wah | 5 | One mark for each correct control, effect or process.<br><br>Do not accept other answers here. |
| Instrument      | Control, effect or process applied to instrument |      |   |            |   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
| Synth bass      | Low EQ boost                                     |      |   |            |   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
| Lead synth      | Time domain effects                              |      |   |            |   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
| Electric piano  | Chorus   |      |   |            |   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
| Synth pad       | Fade in and fade out                             |      |   |            |   |            |              |            |                     |                |        |           |                      |                 |         |   |  |
| Electric guitar | Wah wah  |      |   |            |   |            |              |            |                     |                |        |           |                      |                 |         |   |  |

| Question |     | Expected response  | Max mark | Additional guidance   |
|----------|-----|--|----------|---|
| 6.       | (a) | <input checked="" type="checkbox"/> The Music License (joint PRS and PPL license)  | 1        | Do not accept other answers here.   |
|          | (b) | Thomas Morrough did not possess the PPL/PRS license (the music license) to allow him to legally play recorded music in his business premises.  | 1        | Accept any response that infers playing music in a business without a license.  |
|          | (c) | It is important that businesses pay for the appropriate licenses to play music so that artists are fairly rewarded through PRS/PPL when their music is played in public.<br><br>or<br><br>To ensure that the original artists and writers are financially rewarded for their work. | 1        | Accept any response that infers royalties are paid to copyright holders for their music being played in a business venue. |

| Question |  | Expected response                         |  |         | Max mark  | Additional guidance  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|----------|--|---|--|---------|-----------|--|---------|--------------------|--------------------|---------------|---|-----------------------------------|---------------------------|-----------------------|-------------------------------------|---------------------|-----------------------------|-----------------------------|--|--|--|---------|-----------------------|--------------------|--------------------|------------------------|----------------------|-------------------------|-------------------|----------------------|--------------|---------------------|--------------------------------|-----------------------|--|-----------------|--|------------------------------|-----------------------|--|-----------------------|--|---------------------|--|-----------------------|--|-------------|--|--|--|
| 7.       | (a)  |   |  |         | 4         | <p>In order to gain a mark, candidates must reference the instrument/ voice <b>and</b> how it has been effected/ panned. The table indicates all the acceptable answers.</p> <p>For excerpt 1 and excerpt 2 – ‘guitar’, ‘vocals’ and ‘drums’ on their own are not acceptable answers.</p> <p>Lead/male vocal, backing vocals, acoustic guitar, bass guitar and electric guitar are the acceptable terminology.</p> <p>Excerpt 1 – Also accept ‘electric guitar – wah wah.’</p> <p>Excerpt 1 – Also accept (backing) vocals – reverb.</p> <p>Excerpt 1 and 2 – Also accept kick drum – reverb.</p> <p>Excerpt 1 and 2 – Also accept kick drum – centre.</p> <p>Excerpt 1 and 2 – Do not accept drum kit – centre.</p> <p>Excerpt 1 – Bass on its own would not be accepted.</p> <p>Excerpt 1 – Also accept keyboard – centre.</p> <p>Excerpt 2 – Also accept drum kit – reverb.</p> <p>Excerpt 2 – Also accept synth strings – right.</p> |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          |  |   | <table border="1"> <thead> <tr> <th>Element</th> <th>Excerpt 1</th> <th>Excerpt 2</th> </tr> </thead> <tbody> <tr> <td rowspan="7">Effects</td> <td>Bass drum – reverb</td> <td>Bass drum – reverb</td> </tr> <tr> <td>Clap – reverb</td> <td>Electric guitar – chorus <b>or</b> reverb</td> </tr> <tr> <td>Electric guitar – envelope filter</td> <td>(Electric) piano – chorus</td> </tr> <tr> <td>Female vocal – reverb</td> <td>Lead vocal – delay <b>or</b> reverb</td> </tr> <tr> <td>Male vocal – reverb</td> <td>Snare drum – (gated) reverb</td> </tr> <tr> <td>Snare drum – (gated) reverb</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td rowspan="15">Panning</td> <td>Backing vocals – left</td> <td>Bass drum – centre</td> </tr> <tr> <td>Bass drum – centre</td> <td>Electric guitar – left</td> </tr> <tr> <td>Bass guitar – centre</td> <td>(Electric) Piano – left</td> </tr> <tr> <td>Bass synth – left</td> <td>Hi-hat cymbal – left</td> </tr> <tr> <td>Clap – right</td> <td>Lead vocal – centre</td> </tr> <tr> <td>Cymbals – left <b>or</b> right</td> <td>Snare (drum) – centre</td> </tr> <tr> <td>Electric guitar – left <b>or</b> right</td> <td>Strings – right</td> </tr> <tr> <td>(Lead) synth – centre <b>or</b> left <b>or</b> right</td> <td>Toms – left <b>and</b> right</td> </tr> <tr> <td>Hi-hat cymbal – right</td> <td></td> </tr> <tr> <td>Female vocal – centre</td> <td></td> </tr> <tr> <td>Male vocal – centre</td> <td></td> </tr> <tr> <td>Snare (drum) – centre</td> <td></td> </tr> <tr> <td>Tom – right</td> <td></td> </tr> </tbody> </table> | Element | Excerpt 1 | Excerpt 2  | Effects | Bass drum – reverb | Bass drum – reverb | Clap – reverb | Electric guitar – chorus <b>or</b> reverb | Electric guitar – envelope filter | (Electric) piano – chorus | Female vocal – reverb | Lead vocal – delay <b>or</b> reverb | Male vocal – reverb | Snare drum – (gated) reverb | Snare drum – (gated) reverb |  |  |  | Panning | Backing vocals – left | Bass drum – centre | Bass drum – centre | Electric guitar – left | Bass guitar – centre | (Electric) Piano – left | Bass synth – left | Hi-hat cymbal – left | Clap – right | Lead vocal – centre | Cymbals – left <b>or</b> right | Snare (drum) – centre | Electric guitar – left <b>or</b> right | Strings – right | (Lead) synth – centre <b>or</b> left <b>or</b> right | Toms – left <b>and</b> right | Hi-hat cymbal – right |  | Female vocal – centre |  | Male vocal – centre |  | Snare (drum) – centre |  | Tom – right |  |  |  |
| Element  | Excerpt 1  | Excerpt 2                                 |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
| Effects  | Bass drum – reverb                                   | Bass drum – reverb                        |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Clap – reverb  | Electric guitar – chorus <b>or</b> reverb |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Electric guitar – envelope filter                    | (Electric) piano – chorus                 |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Female vocal – reverb                                | Lead vocal – delay <b>or</b> reverb       |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Male vocal – reverb                                  | Snare drum – (gated) reverb               |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Snare drum – (gated) reverb                          |   |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          |  |   |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
| Panning  | Backing vocals – left                                | Bass drum – centre                        |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Bass drum – centre                                   | Electric guitar – left                    |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Bass guitar – centre                                 | (Electric) Piano – left                   |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Bass synth – left                                    | Hi-hat cymbal – left                      |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Clap – right   | Lead vocal – centre                       |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Cymbals – left <b>or</b> right                       | Snare (drum) – centre                     |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Electric guitar – left <b>or</b> right               | Strings – right                           |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | (Lead) synth – centre <b>or</b> left <b>or</b> right | Toms – left <b>and</b> right              |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Hi-hat cymbal – right                                |   |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Female vocal – centre                                |   |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Male vocal – centre                                  |   |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Snare (drum) – centre                                |   |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |
|          | Tom – right  |   |  |         |           |  |         |                    |                    |               |   |                                   |                           |                       |                                     |                     |                             |                             |  |  |  |         |                       |                    |                    |                        |                      |                         |                   |                      |              |                     |                                |                       |  |                 |  |                              |                       |  |                       |  |                     |  |                       |  |             |  |  |  |

| Question |     | Expected response                                      | Max mark | Additional guidance              |
|----------|-----|--|----------|----------------------------------|
|          | (b) | <input checked="" type="checkbox"/> Instrumental break | 1        | Do not accept other answer here. |

[END OF MARKING INSTRUCTIONS]