M1.(a)   upper audio frequency maximum 15−20kHz ✓
        sampling frequency must be higher ✓ than 2× ✓ highest audio frequency

3

(b)   65536 ✓

allow 65535

1

(c)   5 / 65535 ✓ = 76μV ✓

allow 65536

ecf from (b)

2

(d)   high & low frequencies are lost *or* reduced bandwidth ✓
    reference to perceived quality, e.g. lack of bass / treble in the music, 'tinny', or similar ✓

2

[8]