

## TAKE 5 ... NEGATIVE & FRACTIONAL INDICES

Q1.

	Working	Answer	Mark	Notes
	- 5, 0.2, 0.5, 1	-5, $5^{-1}$ , 0.5, $5^0$	2	M1 for either $5^{-1}$ or $5^0$ evaluated correctly A1 for a fully correct list from correct working, accept original numbers or evaluated (SC B1 for one error in position or correct list in reverse order)

Q2.

Question	Working	Answer	Mark	Notes
(i)		1	3	B1 cao
(ii)		$\frac{1}{5}$		B1 for $\frac{1}{5}$ or 0.2
(iii)		3		B1 cao (accept $\pm 3$ )

Q3.

Question	Working	Answer	Mark	Notes
(a)		3	1	B1 cao
(b)		$\frac{1}{5}$	2	M1 $\frac{1}{25^{\frac{1}{2}}}$ or $\sqrt{25} = 5$ A1 $\frac{1}{5}$ or $5^{-1}$ or 0.2

Q4.

5MB2H November 2016					
Question	Working	Answer	Mark	Notes	Type
(a)(i)		1	3	B1 cao	C
(ii)		$\frac{1}{25}$		B1 for $\frac{1}{25}$ or 0.04	C
(iii)		4		B1 cao	C
(b)		$5a^4b^3$	2	B2 for $5a^4b^3$ (B1 for any two of 5, $a^4$ , $b^3$ in a product)	E

Q5.

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Question	Working	Answer	Mark	Notes	
(a)		1	1	B1 cao	
(b)		$\frac{1}{16}$	2	M1 for two of cube root, square, reciprocal A1 cao	