

XI - MATHS EXAM 2018**ANSWER KEY (TYPE A)**

1	b	$\{1, -1\}$
2	a	7
3	c	$P[\text{impossible event}] = 0$
4	b	$-\frac{\pi}{6}$
5	c	$\frac{2}{5}$
6	a	$\begin{cases} x, x < 1 \\ \sqrt{x}, x \geq 1 \end{cases}$
7	d	160, 640
8	a	$(-\infty, 0)$
9	a	$X - 2 \log(x+1) + c$
10	a	$24C_{12}$
11	c	$(\frac{-\pi}{2}, \frac{\pi}{2})$
12	d	$\frac{1}{2} ab \sin C$
13	d	$X + 2y = 3$
14	a	20
15	c	$F(x) = \cot x \text{ in } (\frac{-\pi}{2}, \frac{\pi}{2}]$
16	c	$\pm \frac{1}{ \vec{a} }$
17		$(x-1)^2 + (y-1)^2 = 1$
18	b	X
19	a	$-1 < x \leq 1$
20	d	$\tan^{-1}(e^x) + c$

R RAVEENDRAN, LECTURER IN MATHEMATICS,

ACHARIYA SIKSHA MANDIR, PUDUCHERRY, CELL: 9894224631