

XIth std Public Examination

May-2022

MATHEMATICS - ANSWER KEY

R. VIJAYARAGAVAN PG ASST IN MATHEMATICS
PATTUKOTTAI.

PART - I

A - TYPE		B - TYPE	
1	d) Discontinuous	1	e) $2/3$
2	d) $A+B$ is symmetric	2	d) $1-2^{-n}$
3	b) e^4	3	a) $2x^2 e^{x/2} - 8xe^{x/2} + 16e^{x/2} + C$
4	d) 18	4	c) N
5	c) 10	5	b) e^4
6	c) N	6	d) ∞
7	c) does not exist	7	d) Discontinuous
8	d) ∞	8	d) 5^5
9	c) $\frac{2x^3}{3} - x^2 + x + C$	9	b) $-2\vec{i} - \vec{j} + 9\vec{k}$
10	a) 0.56	10	a) $\sec \theta$
11	a) $\sec \theta$	11	c) 8
12	b) $-2\vec{i} - \vec{j} + 9\vec{k}$	12	d) 8
13	a) $2x^2 e^{x/2} - 8xe^{x/2} + 16e^{x/2} + C$	13	c) does not exist
14	d) 5^5	14	d) $1/2, -2$
15	c) $2/3$	15	a) 0.56
16	d) $1/2, -2$	16	c) 10
17	d) $\vec{b} - \vec{a}$	17	d) $A+B$ is symmetric
18	d) 8	18	d) $\vec{b} - \vec{a}$
19	c) 8	19	d) 18
20	d) $1-2^{-n}$	20	c) $\frac{2x^3}{3} - x^2 + x + C$