

GOVERNMENT PUBLIC EXAMINATION - 2025

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MATHEMATICS - ANSWER KEY.

PG-ASST MATHEMATICS
PATTUKOTTAI.

PART - A (ONE MARKS)

	TYPE - A		TYPE - B
1	a) N	1	b) $\sqrt{2}$
2	d) 2	2	a) π
3	d) $\frac{1}{5}$	3	d) $2xu$
4	d) 2.5	4	a) N
5	a) 1, 2	5	d) $\frac{1}{5}$
6	a) 19	6	a) (1, 0)
7	b) $y = x^3 + 2$	7	d) 2.5
8	b) [1, 2]	8	b) $\int_{f(x)}^1 f(x) dx$
9	d) $2xu$	9	b) [1, 2]
10	b) 2	10	d) 2
11	b) $\pm \frac{1}{\sqrt{2}}(1+i)$	11	c) $\frac{\pi a^2}{6}$
12	b) $1+i$	12	a) 1, 2
13	d) 0.25	13	b) $\frac{\pi}{6}$
14	e) $\frac{\pi}{2}$	14	a) 19
15	a) (1, 0)	15	b) $1+i$
16	b) $\frac{\pi}{6}$	16	c) $\frac{\pi}{2}$
17	c) $\frac{\pi a^2}{6}$	17	b) $\pm \frac{1}{\sqrt{2}}(1+i)$
18	b) $\frac{1}{\sqrt{2}}$	18	b) $y = x^3 + 2$
19	a) π	19	d) 0.25
20	b) $\int_{f(x)}^1 f(x) dx$	20	b) 2

தலைவர் உத்தியோகம்
 இயக்குநர்
 11/8/25
 (1.30 P.M.)