IET, DAVV, Indore B.E. I (CSE-A&B) Class Test - II (Jan. -2023)

1AMRC1: Applied Mathematics-I

Maximum Mai

Time: 70 min.

Note: Attempt only four questions.

- Find the expansion of $f(x,y) = \cos x \cos y$ in power of x & y up to the 3rd degree terms.
- Trace the curve: $y^2(a^2 + x^2) = x^2(a^2 x^2)$. Q;4
- Find the area lying within the cardioid $r = a(1 + \cos\theta)$ and outside the circle $r = \frac{3}{2}a$

