Reg. Number:

Continuous Assessment Test (CAT) – I AUGUST 2024

Programme	:	BTech Computer Science and Engineering	Semester	:	FALL 24-25
Course Code & Course Title	:	BCSE304L THEORY OF COMPUTATION	Class Number	:	CH2024250101445 CH2024250100914 CH2024250100900
Faculty	:	Dr. S. Kiruthika Dr. T. Nathezhtha Dr. Tahir mujtaba	Slot	:	A1+TA1
Duration	:	90 MINUTES	Max. Mark		50

General Instructions:

- Write only your registration number on the question paper in the box provided and do not write other information.
- Use statistical tables supplied from the exam cell as necessary
- Use graph sheets supplied from the exam cell as necessary
- Only non-programmable calculator without storage is permitted

Answer all questions

Q. No	Description	Marks
1.	For the following ϵ -NFA construct an equivalent DFA. $ \begin{array}{cccccccccccccccccccccccccccccccccc$	10
2.	Derive the regular expression for the given finite automata.	10



