

## THIRD SEMESTER BTECH. (E & C) DEGREE PROCTORED ONLINE EXAMINATION JANUARY 2022 SUBJECT: NETWORK ANLYSIS (ECE - 2154)

TIME: 75 min (9.20 AM to 10.35 AM)

## MAX. MARKS: 20

- Instructions to candidates
  - Answer ALL questions.
  - Missing data may be suitably assumed.
  - Do not use Laplace Transforms unless specified.
  - Answer script must be a single pdf, good visibility of all texts and numbers.
  - Name the file as: RegistrationNumber\_SubjectCode\_dd\_JAN2022
  - Upload correct pdf properly named well before 10.45 AM

Q. No.	Questions	Marks
1A.	In the circuit shown Fig.Q1A, the switch is moved from position a to position b at t=0. Find $i(t)$ for t > 0.	4
	$\begin{array}{c} 0.02 \text{ F} & 14 \Omega \\ \hline \\ 12 \text{ H} & 2 \Omega \\ \hline \\ 6 \Omega \\ \hline \\ 4 \text{ A} \\ \hline \\ $	





