## **TUTORIAL TEST I**

## Subject: Digital Electronics & Logic Design

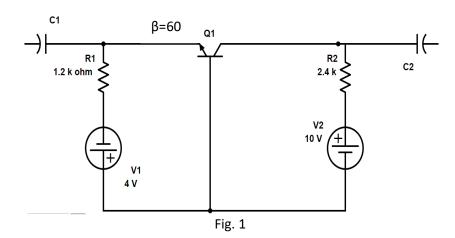
**Duration:** 45 min

Session: 2021

Instructions: 1. It is mandatory to attempt all the questions sequentially

- 2. Mention your complete admission number and name on all the pages of answer sheet
- 3. Take the clear scan copy of your answer sheet. Combine it in a single PDF file.
- 4. Rename your PDF with your Admission number and then upload it in the assignment.

Determine the values of V<sub>CB</sub> and current I<sub>B</sub> for the common base configuration shown in Fig1 (2 M)



Determine the bias voltage  $V_{CE}$  and current  $I_C$  for the voltage divider configuration in Fig 2. (2 M)

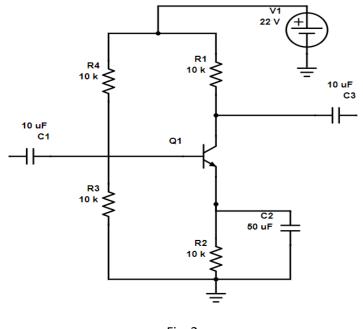


Fig. 2

