Electrical and Electronics Circuit LAB (EEE F246) LAB Examination

| Max. | Marks: 20 | Time: 45 Min + 10 Min (Uploading files) |
|------------------|---|---|
| specif Verify | Fications, $V_{CC} = 20V$, $I_B = 50 \mu A$, V_{CE} | o implement a CE amplifier in LTSpice for the $z=10V$, $I_C=10.58$ mA, $V_{BE}=0.717V$ and $Av=250$. or not. Verify the gain in the mid frequency region by |
| (Circu | uit with Calculated Resistances – 8M | ∕I and Gain verification – 4 M) |
| 2. Aft (fL)? | er the design, calculate the capacitance | be $(C_{C1},C_{C2}$ and $C_E)$ and calculate the 3 dB frequency |
| (Calc | ulation of Capacitances – 4 M) and | 3 dB frequency (4 M) |
| | | |
| Instru | uctions: | |
| 1. | Upload the. asc file in the link mention firstname_lastfourdigits ID (Ex: prateel | |
| 2. | Write down the answers all the values command | of resistances and capacitance calculated using the text |
| 3. | Link for uploading the .asc files: https:// | /forms.gle/9iBF6BxQzuFznPmy9 |
| | | |
| | | |
| | | |