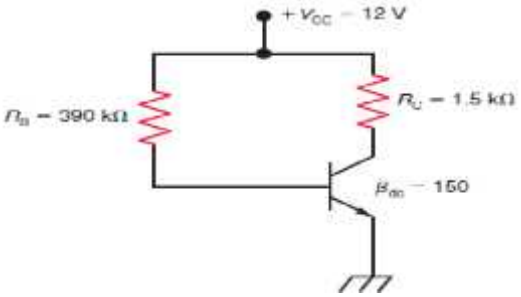
KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS NEGERI SURABAYA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
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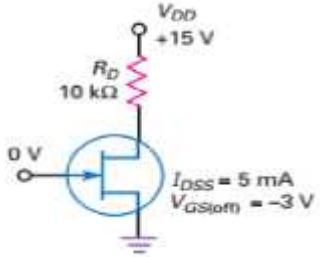
EVEN MIDTERM EXAM
ACADEMID YEAR OF 2018/2019

Course	: Basic Electronics 2
Lecturer(s)	: Drs. Imam Sucahyo, M.Si. Meta Yantidewi, M.Si.
Study Program/Class	: S-1 Physics Education/2017 A
Day & Date	: Tuesday, 19 March 2019
Duration/Time	: 100 menit/07.00-08.40 wib
Property	: Open 2 pages of A4 notes

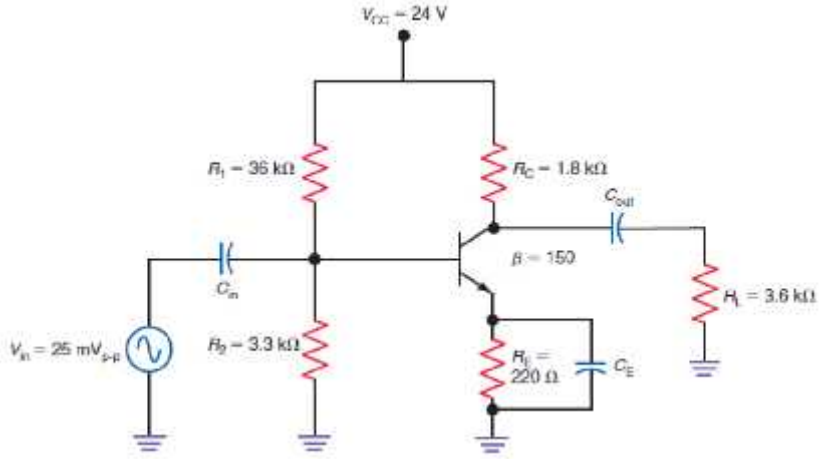
Answer these questions below. Do not forget to write your name and student registration number on your answer sheet. Please re-check your answer before collecting it

1. 

From the figure, draw the load line and find V_{CE} (30 points)

2. 

Watch the figure! Determine the drain-source saturation current (I_{DSS}) and drain voltage (V_D)? (30 points)

3. 

Find the Av and Vout in the amplifier circuit above. (40 points)