

POSSESSION OF MOBILES IN EXAM IS UFM PRACTICE.

Name _____

Enrollment No. _____

Jaypee Institute of Information Technology, Noida

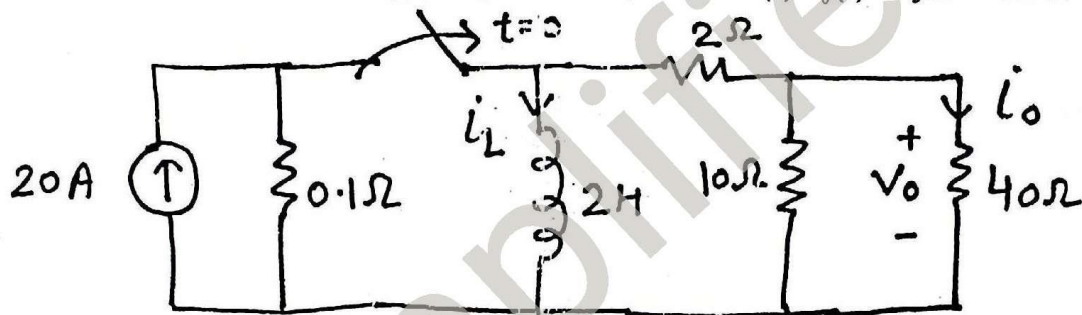
Test -1, Examination, 2016
B.Tech (ECE & CSE/IT), II Semester

Course Title: Electrical Science – 2/Basic Electronics Devices and Circuits
Course Code: 15B11EC211/19B11EC211

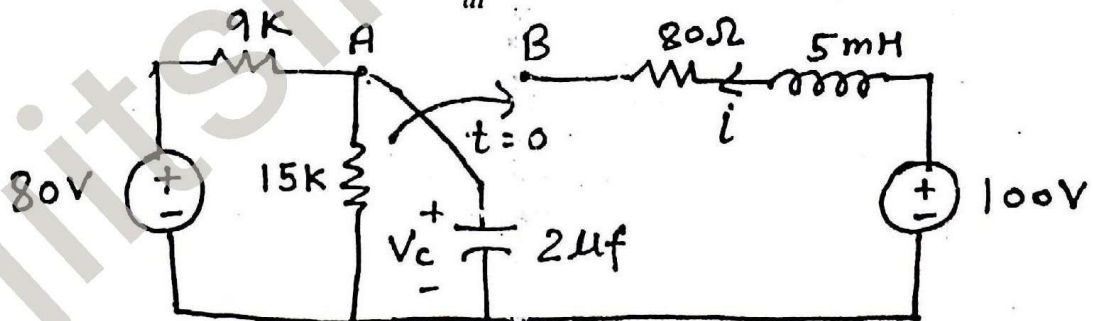
Max. Time: 1 Hr.
Max. Marks: 20

Note: All Questions are compulsory.

Q1. The switch in the circuit has been closed for a long time before it is opened at $t = 0$. Find
(a) $i_L(t)$ for $t \geq 0$, (b) $i_0(t)$ for $t \geq 0$, (c) $v_0(t)$ for $t \geq 0$. [7]



Q2. The switch in the circuit has been in position A for a long time. At $t = 0$, it moves to position B. Find (a) $i(0^+)$, (b) $v_c(0^+)$, (c) $\frac{di(0^+)}{dt}$ and (d) $i(t)$ for $t \geq 0$. [8]



Q3. Find current, i_0 and voltage, v_0 in the given circuit. [5]

