



NPTEL Online Certification Course
<Design of Power Electronics converter>
<Assignment Number 8>: Detailed Solution
Indian Institute of Technology Guwahati



Q1. Which of the following is/are a type of capacitor?

Ans. A, B, D

Q2. Width of traces in a PCB layout depends on:

Ans. A, C, D

Q3. Planes/polygons of different types of ground should be connected in ... node.

Ans. star

Q4. Ground loops should be avoided to avoid flow of from one circuit to another.

Ans. noise

Q5. In the PCB layout of a power electronic circuit, drivers and snubbers need to be placed to power semiconductor devices.

Ans. close

Q6. The ground which is connected to the enclosure of a power electronic converter is known as

Ans. chassy

Q7. Reference of common mode EMI filter is connected to ... ground.

Ans. chassy

Q8. Ceramic capacitors are manufactured in both through hole and packaging.

Ans. Surface Mount Device (SMD)

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