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1st Sem, Level 4 / DVOC (Ref. & Air Cond.)

Subject : Soldering & De-soldering of Components-I

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions. (10x1=10)

Q.1 Write the full form of PCB.

Q.2 Name any two passive components.

Q.3 Which material is used for making soldering iron?

Q.4 Name any two soldering tools.

Q.5 Define soldering.

Q.6 Define continuity.

Q.7 Expand SMD

Q.8 Draw circuit symbol of diode.

Q.9 Soldering process is done in which temperature range?

Q.10 How will you join the broken PCB track?

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

Q.11 List the name and specifications of soldering tools.

Q.12 Name different types of soldering guns related to temperature and wattages.

Q.13 Differentiate between single and multilayered PCBs.

Q.14 Write the procedure for checking the cold continuity of PCB.

Q.15 Explain various defects found on PCB.

Q.16 Explain the procedure of de-soldering using pumps and wick.

Q.17 Explain the methods of joining the cracks on PCB.

Q.18 Write a short note on SMD components.

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. (1x10=10)

Q.19 Explain the process of soldering. How will you identify the good soldering and bad soldering.

Q.20 Explain various safety precautions while soldering and de-soldering.