

SECTION-B

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

- Q.11 List various types of soldering guns related to temperature, wattages.
- Q.12 Write the rules of soldering. Explain the steps of soldering.
- Q.13 Explain identification of any defect / dry solder / short circuit on the given circuit board.
- Q.14 Describe various soldering tools
- Q.15 Write the safety precautions during the soldering and de-soldering.
- Q.16 How to join the broken PCB track
- Q.17 What is PCB ? State its advantages.
- Q.18 What is the procedure of tinning the tip of soldering iron

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 What is de-soldering ? Name the tools used in de-soldering. Explain in detail- the methods of de-soldering.
- Q.20 Write short note on :-
- Solder material and their grading.
 - Good soldering Vs Bad Soldering.

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DVOC (Level 5)
Sem 1st / Medical Imaging Tech.
Subject : Soldering & De-soldering & components-I

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

- Q.1 Name the Bonding material used for soldering a joint?
- Q.2 Name the tool which works on the principle of air suction?
- Q.3 At which, temperature the 60-40 solder start melting?
- Q.4 What is the effect of overheating on soldering a joint?
- Q.5 Name any two soldering tools.
- Q.6 Name the solvent used for cleaning of a PCB?
- Q.7 Define solder?
- Q.8 Write the prime use of flux in soldering.
- Q.9 Name any one type of IC package.
- Q.10 What do you mean by broken track?