

SECTION-B

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

- Q.11 Explain different types of soldering guns.
- Q.12 What do you mean by grading of soldering material?
- Q.13 Write specifications of soldering and de-soldering station.
- Q.14 Write the process of de-soldering basic components on PCB.
- Q.15 Write the process of checking the cold continuity of PCB.
- Q.16 How will you identify the loose solder and broken track during soldering?
- Q.17 Write short notes on de-soldering pump and wick.
- Q.18 Write short note on SMD components.

SECTION-C

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

- Q.19 What is PCB? Explain the types and applications of PCB.
- Q.20 Write a short notes on any two:
 - a) Good soldering Vs Bad Soldering
 - b) Soldering tools
 - c) Applications of soldering

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1st Sem, Level 5 / DVOC (Medical Imaging Tech.)
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 What is the prime soldering tool?
- Q.2 Name the bonding material used for soldering a joint.
- Q.3 What is the temperature range for 60/40 solder to start melting?
- Q.4 Overheating on solder joint results in _____
- Q.5 What is the purpose of wire cutter?
- Q.6 What is full form of PCB?
- Q.7 What is the use of crimping tool?
- Q.8 How to avoid soldering fume?
- Q.9 How will you test the broken track?
- Q.10 What is the value of SMD resistor marked with 5R60?