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188554

Level 5 / 1st. Sem. / DVOC

Medical Imaging Tech.

Subject : Soldering & De-Soldering of Components-I

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory (10x1=10)

Q.1 Define soldering.

Q.2 Name two different type of soldering tips.

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

Q.4 What is hot soldering process?

Q.5 Name any two de-soldering tools.

Q.6 What is soldering pad?

Q.7 Why we use flux during soldering?

Q.8 Expand SMD.

Q.9 What is soldering station?

Q.10 What is the function of De-soldering wick?

SECTION-B

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

Q.11 Define soldering and de-soldering process.

Q.12 Explain different applications of soldering.

Q.13 What is flux? How it helps in soldering?

Q.14 What are different types of PCB?

Q.15 Explain different features of SMDS.

Q.16 How we identify dry solder points and broken tracks on PCB?

Q.17 What are the safety precautions taken during soldering process?

Q.18 List any four basic components used on PCB. Explain in brief.

SECTION-C

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

Q.19 Explain different types of soldering process with neat diagram in detail.

Q.20 What are SMD components? Explain.