

SECTION-B

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

- Q.11 What crucial factors are considered while selecting the right soldering station?
- Q.12 Write the essential tools and materials for soldering.
- Q.13 Write the procedure for setting up your soldering station.
- Q.14 What are the different SMD soldering techniques?
- Q.15 How will you troubleshoot the common issues in SMD soldering?
- Q.16 Write short note on safety consideration during SMD soldering.
- Q.17 Write short note on PPE.
- Q.18 Why is soldering hazardous? What precautions are required during soldering?

SECTION-C

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

- Q.19 What do you mean by SMD components? Explain the identification procedure for 2,3,4 terminal SMD components.
- Q.20 What are the minimum emergency requirements during the soldering? How will you report emergencies and whom will you report?

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2nd Sem, Level 5 / DVOC (Medical Image Tech.)
Subject : Soldering & De-Soldering Components & Emergency Actions

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

- Q.1 Name any two passive SMD components.
- Q.2 Name the types of SMD resistors.
- Q.3 SMT stands for_____
- Q.4 PLCC stands for_____
- Q.5 The unit of capacitance is_____
- Q.6 Define Rosin.
- Q.7 What is the function of Fire extinguishers?
- Q.8 What do you mean by reliable soldering practice.
- Q.9 What is the number 1 rule of soldering?
- Q.10 Name any type of IC package in SMD component.